## DEPARTMENT OF THE NAVY FY 1997 BUDGET ESTIMATES

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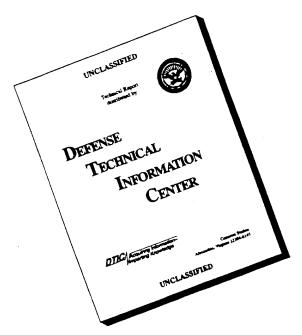
**MARCH 1996** 

PROCUREMENT, MARINE CORPS

BUDGET ACTIVITY 4

**COMMUNICATIONS AND ELECTRONICS EQUIPMENT** 

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PMC BUDGET BRANCH/LT\_B

UNCLASSIFIED

#### FY 1997 PROCUREMENT PROGRAM (\$ IN MILLIONS) DEPARTMENT OF THE NAVY

DATE: MARCH 1996

EXHIBIT P-1

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P-1 BUDGET LINE# LINE#	NOMENCLATURE	IDENT	FY 1995 AMOUNT	FY 1996 AMOUNT	FY 1997 AMOUNT
	BA 1 AMMUNITION		133.2	188.9	689
	BA 2 WEAPONS & TRACKED COMBAT VEHICLES		41.2	52.0	24.5
	BA 3 GUIDED MISSILES & EQUIPMENT		41.2	24.2	43.4
	BA 4 COMMUNICATIONS & ELECTRONICS EQUIPMENT		186.5	218.7	315.4
	SUPPORT VEHICLES		31.1	22.8	14.0
	ENGINEER & OTHER EQUIPMENT		75.2	81.3	46.6
	BA 7 SPARES & REPAIR PARTS		31.0	50.9	42.7
	TOTAL PMC APPROPRIATION	7	539.4	638.8	555.5

NOTE: FOR FY 1995 AND FY 1996, BA1 AMMUNITION APPROPRIATED IN PROCUREMENT OF AMMUNITION, NAVY/MARINE CORPS

## DEPARTMENT OF THE NAVY FY 1997 PROCUREMENT PROGRAM (\$ IN MILLIONS)

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS

DATE: MARCH 1996

EXHIBIT P-1R

	2.3	4.5	6.0	58.9	0.0	2.6	0.2	1
FY 1997 AMOUNT		4	Ü	88	0	7	0	
FY 1996 AMOUNT	1.4	14.2	4.9	<b>8</b> 2	0.8	8.2	0.2	
FY 1995 AMOUNT	2.1	2.2	18.0	23.4	0.2	0.5	0.1	
DENT								1
NOMENCLATURE	BA 1 AMMUNITION	BA 2 WEAPONS & TRACKED COMBAT VEHICLES	GUIDED MISSILES & EQUIPMENT	BA 4 COMMUNICATIONS & ELECTRONICS EQUIPMENT	BA 5 SUPPORT VEHICLES	BA 6 ENGINEER & OTHER EQUIPMENT	BA 7 SPARES & REPAIR PARTS	TANTE LINE OF THE TATAOT
P-1 BUDGET LINE# LINE#	BA 1	BA 2	BA 3	BA4	BA 5	BA 6	BA7	
P-1 LINE#								

NOTE: FOR FY 1995 AND FY 1996, BA1 AMMUNITION APPROPRIATED IN PROCUREMENT OF AMMUNITION, NAVYMARINE CORPS

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#### FY 1997 PROCUREMENT PROGRAM (\$ IN MILLIONS) DEPARTMENT OF THE NAVY

DATE: MARCH 1996

EXHIBIT P-1

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS

FY 1997 AMOUNT		0.0	0.0	0.0	12.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.4	0.0	26.4	12.0	0.0	0.0	3.0	17.2	0.0	11.4	9.7	52.9	16.9
FY 1996 AMOUNT		14.1	0.0	6'9	12.0	6.1	47.0	1.1	1.4	0.0	2.4	9.1	0.0	11.9	10.8	0.0	0.0	44.3	6.0	1.7	0.0	3.0	7.1	23.0	0.0	0.0	0.0	0.0
FY 1995 AMOUNT		0.001	0.5	5.0	2.1	3.7	65.8	1.1	2.2	0.001	3.7	0.0	8.0	5.3	0.0	0.0	9.4	14.4	0.1	1.0	0.7	1.0	39,3	16.5	0.0	0.0	0.0	0.0
IDENT	S EQUIPMENT		RMINAL			•						(TACC)	TEM (MTACCS)	TEM (MAFATDS)														EMS
NOMENCLATURE	BUDGET ACTIVITY 4 - COMMUNICATIONS & ELECTRONICS EQUIPMENT	MANPACK RADIOS & EQUIPMENT	TSC-96 PIP FLEET SATELLITE COMMUNICATION TERMINAL	JTIDS INTG	AUTO TEST EQUIP	GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT	SINCGARS RADIO SYSTEM	MODIFICATION KITS (TEL)	ITEMS LESS THAN \$2 MILLION (TEL)	POSITION LOCATION REPORTING SYSTEM (PLRS)	TACTICAL AIR OPERATIONS MODULE (TAOM)	ADVANCED TACTICAL AIR COMMAND CENTRAL (ATACC)	MARINE TACTICAL COMMAND AND CONTROL SYSTEM (MTACCS)	ADVANCE FIELD ARTILLERY TACTICAL DATA SYSTEM (MAFATDS)	TACTICAL COMBAT OPERATIONS	AN/TPQ-36 FIREFINDER RADAR UPGRADES	METEOROLOGICAL SYSTEMS	INTELLIGENCE SUPPORT EQUIPMENT	MODIFICATION KITS (INTEL)	ITEMS LESS THAN \$2 MILLION (INTEL)	ELECTRONIC TMDE REPAIR FACILITY	GENERAL PURPOSE MECHANICAL TMDE	NIGHT VISION EQUIPMENT	ADP EQUIPMENT	COMMAND POST SYSTEMS	MANEUVER C2 SYSTEMS	RADIO SYSTEMS	COMMUNICATIONS SWITCHING & CONTROL SYSTEMS
BUDGET LINE#	BUDG	402700	414500	421300	440200	442900	451000	455500	456700	458800	459400	459700	461000	461100	461300	468300	474400	474700	474900	475100	481000	483700	493000	494200	463100	463200	463300	463400
P-1 LINE#		26	27	78	53	30	31	32	33	34	35	36	37	38	39	40	41	42	43	4	45	46	47	48	49	20	51	22

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#### FY 1997 PROCUREMENT PROGRAM DEPARTMENT OF THE NAVY

(\$ IN MILLIONS)

DATE: MARCH 1996

EXHIBIT P-1

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS

53.6 43.4 0.3 4.1 2.6 5.3 7.7 0.0 0.0 315.4 FY 1997 AMOUNT 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.3 3.3 218.7 FY 1996 AMOUNT 0.0 0.0 0.0 0.0 0.0 0.0 1.5 5.1 186.5 FY 1995 AMOUNT IDENT TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT TEST, CALIBRATION & MAINTENANCE SUPPORT MODIFICATION KITS (NONTEL) ITEMS LESS THAN \$2 MILLION (NONTEL) NOMENCLATURE MARINE ENCHANCEMENT PROGRAM \*\*\* BUDGET ACTIVITY 4 TOTAL \*\*\* MODIFICATION KITS MAGTF C41 AIR OPERATIONS C2 SYSTEMS MODIFICATION KITS (OTHER) ITEMS < \$2M MAGTF C4I ITEMS < \$2M (OTHER) BUDGET 463500 463600 463800 496900 498400 463700 463900 464000 495700 LINE# 494000 53 54 55 57 58 59 60 60 61

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P-1 EXHIBIT FOR THE FY 1997 PRESIDENTS BUDGET SUBMIT

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PMC BUDGET BRANCH/LT\_B

## DEPARTMENT OF THE NAVY FY 1997 PROCUREMENT PROGRAM (\$ IN MILLIONS)

APPROPRIATION: 1109N PROCUREMENT, MARINE CORPS

DATE: MARCH 1996

EXHIBIT P-1R

BUDGET ACTIVITY 4 - COMMUNICATIONS & ELECTRONICS EQUIPMENT         CODE         AMOUNT         AMOUNT           BUDGET ACTIVITY 4 - COMMUNICATIONS & ELECTRONICS EQUIPMENT         0.000         0.7           MANPACK RADIOS & EQUIPMENT         0.000         0.1           JIDS INTG         1.0         0.0           GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT         0.0         0.0           GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT         0.0         0.0           ADVANCED TACTICAL AIR COMMAND CENTRAL (ATACC)         0.0         0.0           MATHORICA SYSTEMS         0.0         0.0           MATHORICAL SYSTEMS         0.0         0.0           MACTEORICAL SYSTEMS         0.0         0.0           MACTEORICAL SYSTEMS         0.0         0.0           MACTEORICAL SYSTEMS         0.0         0.0           RADIO SYSTEMS         0.0         0.0           COMMUNICATIONS SWITCHING & CONTROL SYSTEMS (ULCS)         0.0         0.0           MARINE ENCHANCEMENT PROGRAM         0.0         0.0 </th <th>FY 1997 AMOUNT</th> <th></th> <th>0.0</th> <th>0.0</th> <th>3.5</th> <th>2.3</th> <th>0.0</th> <th>0.0</th> <th>8.9</th> <th>0.0</th> <th>0.0</th> <th>9.0</th> <th>0.0</th> <th>9.0</th> <th>30.8</th> <th>2.2</th> <th>10.7</th> <th>1.5</th> <th>0.0</th> <th></th>	FY 1997 AMOUNT		0.0	0.0	3.5	2.3	0.0	0.0	8.9	0.0	0.0	9.0	0.0	9.0	30.8	2.2	10.7	1.5	0.0	
DENT FY 1995  MENCLATURE CODE AMOUNT  UNICATIONS & ELECTRONICS EQUIPMENT  ENT  DAMAND CENTRAL (ATACC)  TACTICAL DATA SYSTEM (MAFATDS)  R UPGRADES  TOTAL TADE  NG & CONTROL SYSTEMS (ULCS)  CM  COGRAM  L)	FY 1996 AMOUNT		0.7	9.0	0.0	9'0	2.3	2.8	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0'0	0.0	0.0	1.4	
UNICATIONS & ELECTRONICS EQUIPMENT  UNICATIONS & ELECTRONICS EQUIPMENT  ENT  MARAND CENTRAL (ATACC)  TACTICAL DATA SYSTEM (MAFATDS)  R UPGRADES  UPMENT (TRSS)  ICAL TMDE  NG & CONTROL SYSTEMS (ULCS)  CAI  CORRM	FY 1995 AMOUNT		0.000	1.0	0.0	8.0	0.0	1.7	0.0	2.0	4.5	0.0	13.2	0.0	0.0	0.0	0.0	0.0	0.2	
BUDGET ACTIVITY 4 - COMMUNICATIONS & ELECTRONICS EQUIPMENT MANPACK RADIOS & EQUIPMENT TIDS INTG AUTO TEST EQUIP GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT ADVANCED TACTICAL AIR COMMAND CENTRAL (ATACC) ADVANCED TACTICAL AIR COMMAND CENTRAL (ATACC) ADVANCED TEST EQUIP ADVANCE FIELD ARTILLERY TACTICAL DATA SYSTEM (MAFATDS) ANTIPQ-36 FIREFINDER RADAR UPGRADES METEOROLOGICAL SYSTEMS INTELLIGENCE SUPPORT EQUIPMENT (TRSS) GENERAL PURPOSE MECHANICAL TIMDE MADIO SYSTEMS (SINCGARS) RADIO SYSTEMS (SINCGARS) RADIO SYSTEMS (SINCGARS) MODIFICATION SWITCHING & CONTROL SYSTEMS (ULCS) MODIFICATION KITS (NONTEL)	DENT																			ı
<u>.  </u>	NOMENCLATURE	COMMUNICATIONS & ELECTRONICS EQUIPMENT	QUIPMENT			LECTRONIC TEST EQUIPMENT	AL AIR COMMAND CENTRAL (ATACC)	TILLERY TACTICAL DATA SYSTEM (MAFATDS)	JER RADAR UPGRADES	SYSTEMS	JPPORT EQUIPMENT (TRSS)	SE MECHANICAL TMDE	CUIPMENT	YSTEMS	(SINCGARS)	INS SWITCHING & CONTROL SYSTEMS (ULCS)	KITS MAGTF C4I	ANCEMENT PROGRAM	N KITS (NONTEL)	
	BUDGET LINE#	BUDGET ACTIVITY 4.0		421300 JTIDS INTG	•	_		461100 ADVANCE FIELD AR								_	463600 MODIFICATION	494000 MARINE ENCH	496900 MODIFICATIO	

Procurement, Marine Corps
Program and Financing (in Thousands of dollars)

		Budget Plan (a	(amounts for s programed)	PROCUREMENT		Obligations	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Identifi	Identification code 17-1109-0-1-051	1995 actual	1996 est.	1997 est.	1995 actual	1996 est.	1997 est.
00.0101	Prog Di	1 1 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1	88888			
00.0201	Weapons and combat vehicles	41,200	51,977	24,481	45,727	109,017	31,135
00.0401	Communications and electronics equipment	41,216	24,208	43,460	53,866	20,080	38,907
00.0501	Support vehicles	31,148	22,859	13,972	31 838	208,168	294,325
00.0701	Engineer and other equipment Spares and repair parts	75,160	81,325	46,653	70,916	88,992	15,164
		010100	999'06	47,664	35,833	41,961	42,698
00.9101	Total direct program	406,226	449,951	555,507	443,396	493,416	531,580
01.0101	Reimbursable program	3,911	9,400	9,400	3,838	13,067	9,400
10.0001	Total	410,137	459,351	564,907	447,234	506,483	540.980
11.0001 13.0001	Financing: Offsetting collections from: Federal funds(-) Trust funds(-)	-3,795	-9,400	-9,400	3,080	-9,400	-9,400
17.0001	Recovery of prior year obligations Unobligated balance available, start of year.	-116			-369 -17,148		
21.4002 21.4003 21.4009	For completion of prior year budget plans Available to finance new budget plans Reprograming from/to prior year budget plan	-6,600 -4,443	-378		-190,167 -6,600	-159,153 -378	-112,021
24.4002 24.4003 25.0001	Unobligated balance available, end of year: For completion of prior year budget plans Available to finance subsequent year budget Unobligated balance expiring	378			159,153 378 4,443	112,021	135,948
39.0001	Budget authority	400,004	449,573	555,507	400,004	449,573	555,507
40.0001 41.0001 42.0001	Budget authority: Appropriation Transferred to other accounts (-) Transferred from other accounts	419,444 -20,240 800	454,765 -6,087 895	555,507	419,444 -20,240	454,765.	555,507
43.0001	Appropriation (adjusted)	400,004	449,573	555,507	400,004	449,573	555,507

00 MAR 96		1997 est.	531,580 820,396 -786,756
1	Obligations	1996 est.	497,083 851,409 -820,396 528,096
		1995 actual	449,945 1,036,638 -851,409 -20,759 -17,148 -597,267
lars)	PROCUREMENT	1997 est.	
arine Corps Thousands of dollars)	Budget Plan (amounts for PROCUREMENT actions programed)		
Procurement, Marine Corps Program and Financing (in Thousands of dollars)	Budget Plan action	1995 actual	
Program and F		Identification code 17-1109-0-1-051	Relation of obligations to outlays: 71.0001 Obligations incurred 72.4001 Obligated balance, start of year 74.4001 Obligated balance, end of year 77.0001 Adjustments in expired accounts (net) 78.0001 Adjustments in unexpired accounts 90.0001 Outlays (net)

Procurement, Marine Corps Object Classification (in Thousands of dollars)

Identification code	17-1109-0-1-051	1995 actual 1996 est.	1996 est.	1997 est.
Direct obligations:		, ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;		! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !
125.101 Advisory	125-101 Advisory and assistance services	4,636	3,101	4,552
131 001 Paniament	and marerials	174,721	165,328	225,883
nementarios restra		264,039	324,987	301,145
100 001 004			1 1 1 1 1 1 1 1 1 1 1 1	1111111
199,001 local Direct Obligations	ect obligations	443,396	493,416	531,580
Reimbursabl	Reimbursable obligations:			
zsi.voi Equipment		3,838	13,067	9,400
300 001 mata		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
233:001 IOCAL KEL	233.001 IOCAL KEIMDUFSADIE ODIIGATIONS	3,838	13,067	9,400
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
999.901 Total obligations	lgations	447,234	506,483	540,980

Comparison of FY 1995 Program Requirements as Reflected in the FY1996 Budget with the FY 1995 Requirements as shown in the FY 1997 Budget

DATE: MARCH 1996

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Summary of requirements (In millions of Dollars)

	NOMENCLATURE	Total Program Requirements per FY 1996 Budget	Total Program Requirements per FY 1997 Budget	Increase or decrease (-)
BA 1	BA 1 AMMUNITION (PANMC)	135,3	133.2	-2.1
BA 2	BA 2 WEAPONS & TRACKED COMBAT VEHICLES	30.3	41.2	10.9
BA 3	BA 3 GUIDED MISSILES & EQUIPMENT	49.9	41.2	-8.7
BA 4	BA 4 COMMUNICATIONS & ELECTRONICS EQUIPMENT	196.3	186.5	7.6-
BA 5	SUPPORT VEHICLES	27.8	31.1	3.3
BA 6	ENGINEER & OTHER EQUIPMENT	76.6	75.2	-1.4
BA 7	SPARES & REPAIR PARTS	37.3	31.0	-6.3
	Subtotal Direct Program	553.5	539,4	-14.1
	Reimbursable	9,4	o.e.	-5.5
	Total Fiscal Year	562.9	543.3	-19.6

# Comparison of FY 1995 Program requirements as Reflected in the FY 1996 Budget with the FY 1995 Requirements as shown in the FY 1997 Budget

Summary of Requirements (In millions of Dollars)

1. Ammunition (-\$2.1)

The Rockets, All Types line in the Procurement of Ammunition Navy and Marine Corps Appropriation (PANMC) had an excess of funds and was rescinded in section 8092 Ship Cost Adjustments (-\$2.1).

2. Weapons and Tracked Combat Vehicles (\$10.9)

All changes were the result of minor execution adjustments (\$10.9).

3. Guided Missiles and Equipment (-\$8.7)

All changes were the result of minor execution adjustments (-\$8.7).

4. Communications and Electronics Equipment (-\$9.7)

Funds were reduced from the Intelligence Support Equipment and Automated Data Processing Equipment Lines as part of approval of the Omnibus reprogramming (-\$12.4). The remainder was due to minor execution adjustments (\$2.7).

5. Support Vehicles (\$3.3)

All changes were the result of minor execution adjustments (\$3.3).

6. Engineer and Other Equipment (\$1.4)

All changes were the result of minor execution adjustments (\$1.4).

7. Spares and Repair Parts (-\$6.3)

All changes were the result of minor execution adjustments (-\$6.3).

# Comparison of FY 1995 Financing as Reflected in the FY1996 Budget with the FY 1995 Financing as shown in the FY 1997 Budget

## Summary of requirements (In millions of Dollars)

	Financing	Financing
Description	per FY 1996 Budget	per FY 1997 Budget
Program Requirements (Total)	562.9	543.3
(Total Priect) (Total Reimbursable)	(9.4)	(3.9)
Less: Anticipated Reimbursements Appropriation Rescinded	(9.4)	(3.9) (14.9)
Add: Transferred from Other Accounts		0.8
Appropriation (Adjusted)	553.5	525.3

Comparison of FY 1995 Financing as Reflected in the FY 1996 Budget with the FY 1995 Financing as shown in the FY 1997 Budget

Summary of Requirements (In millions of Dollars)

#### Explanation of Changes

The decrease in program financing represents Congressional Action of the FY 1996 Presidents Budget. The following programs Omnibus Reprogramming (-\$12.4). The Drug Interdiction Program received funds from the Procurement Defense-Wide Appropriation (-\$2.5). The Intelligence Support Equipment (-\$9.0) and ADPE (-\$3.4) Programs were reduced due to Congressional approval of the Interdiction Program. The Rockets (-\$2.1) and ADPE Programs (-\$0.4) were reduced as a result of Congressional Action (sec 8092) were affected: Rockets, All types, Intelligence Support Equipment, Automated Data Processing Equipment (ADPE), and the Drug

Comparison of FY 1996 Program Requirements as Reflected in the FY1996 Budget with the FY 1996 Requirements as shown in the FY 1997 Budget

DATE: MARCH 1996

Summary of requirements (In millions of Dollars)

	NOMENCLATURE	Total Program Requirements per FY 1996 Budget	Total Program Requirements per FY 1997 Budget	Increase or decrease (-)
BA 1	BA 1 AMMUNITION (PANMC)	110.9	188.9	78.0
BA 2	BA 2 WEAPONS & TRACKED COMBAT VEHICLES	39.1	52.0	12.9
BA 3	BA 3 GUIDED MISSILES & EQUIPMENT	31.0	24.2	8,9-
BA 4	BA 4 COMMUNICATIONS & ELECTRONICS EQUIPMENT	166.6	218.7	52.1
BA 5	BA 5 SUPPORT VEHICLES	24.1	22.9	-1.3
BA 6	ENGINEER & OTHER EQUIPMENT	50.6	81.3	30.8
BA 7	SPARES & REPAIR PARTS	52.0	50.9	-1.1
	Subtotal Direct Program	474.1	638.8	164.7
	Reimbursable	9.4	9,4	0.0
	Total Fiscal Year	483.5	648.2	164.7

# Comparison of FY 1996 Program requirements as Reflected in the FY 1996 Budget with the FY 1996 Requirements as shown in the FY 1997 Budget

Summary of Requirements (In millions of Dollars)

### 1. Ammunition (\$78.0)

Congressional Increases: 7.62 MM, All Types; .50 Caliber, All Types; 81MM HE; 155mm Red Bag; Fuze, M762; Grenades, All Types; and Items Less than \$2 million (\$92.3). Decreases included prorated reductions for revised economic assumptions (-\$4.3) and a Procurement of Ammunition Navy and Marine Corps received Congressional Increases. The following rounds received proposed fiscal year 1996 rescission resulted in a reduction to the \$1MM HE round (-\$10.0)

# 2. Weapons and Tracked Combat Vehicles (\$12.9)

The Modification Kits (Tracked Vehicle) Program received a Congressional Increase (\$12.3). Revised economic assumptions reduced funds (-\$1.1) and minor execution adjustments increased funding (\$1.7).

# 3. Guided Missiles and Equipment (-\$6.8)

Revised economic assumptions resulting in a prorated reduction (-\$0.5). The remainder was due to minor execution adjustments (-\$6.3)

# 4. Communications and Electronics Equipment (\$52.1)

assumptions reduced funding (-\$4.5) and a fair share distribution of a Congressional ADP adjustment also reduced funds (-\$0.2). Communications and Electronics Equipment received Congressional Increases (\$38.0). Additionally, revised economic remainder was due to minor execution adjustments (\$18.5).

## 5. Support Vehicles (-\$1.3)

The Trailer Program received Congressional Increases (\$5.5). Also, revised economic assumptions reduced funding (-\$0.6). The remainder was due to minor execution adjustments (\$6.2)

# 6. Engineer and Other Equipment (\$30.8)

prorated reductions (-\$1.8) and a transfer from O&M, MC increased funding for expense\investment limitations (\$0.9). The remainder The Training Devices Program received Congressional Increases (\$38.6). Also, revised economic assumptions resulted in was due to minor execution adjustments (-\$6.9).

7. Spares and Repair Parts (-\$1.1) Revised economic assumptions reduced funding for Spares and Repair parts (-\$1.1).

# Comparison of FY 1996 Financing as Reflected in the FY1996 Budget with the FY 1996 Financing as shown in the FY 1997 Budget

## Summary of requirements (in millions of Dollars)

Description	Financing per FY 1996 Budget	Financing per FY 1997 Budget
Program Requirements (Total) (Total Direct)	474.1 (464.7)	648.2 (638.8)
(Total Relitibulisable) Less: Anticipated Reimbursements Appropriation Rescinded	(9.4)	(9.4)
Add: Transferred from Other Accounts		6.0
Appropriation (Adjusted)	464.7	639.7

Comparison of FY 1996 Financing as Reflected in the FY 1996 Budget with the FY 1996 Financing as shown in the FY 1997 Budget

Summary of Requirements (In millions of Dollars)

#### Explanation of Changes

The increase in program financing represents Congressional Action of the FY 1996 President's Budget. Congressional Increases to high priority Marine Corps Programs resulted in increases totaling \$188.0 million.

Reductions totaling \$14.0 million were prorated against all procurement programs due to section 8125 revised economic assumptions Command Support Equipment Program had funds transferred from O&MMC due to expense\u00e4investment threshold limitations (\$0.9) Additionally, other Congressional Action of the FY 1996 President's Budget had the following impacts: the Automated Data Processing Equipment Program was reduced due to Section 8101 of the fiscal year 1996 DoD appropriations Act (-\$0.2). The

Lastly, the 81 MM HE Round was partially recommended for rescission (-\$10.0).

0.0 0 EXHIBIT P-40 FY 2001 041311 RCN: 0.0 2000 protocol mandated by the Joint Chiefs of Staff; non-DAMA will not be allowed to communicate by satellite after 30 Sep 96. The AN/PSC-5 provides embedded Communications Security (COMSEC) and encrypted voice and data The AN/PSC-5 is a lightweight, manportable UHF satellite communications (SATCOM) terminal that will provide long-FΥ capabilities, ensuring multi-service interoperability with most existing and planned communications systems. In addition to voice and data, the AN/PSC-5 interfaces with facsimle, teletype, NET radio Interface (NRI), and Frequency Modulation FM retransmission media, such as SINCGARS. (DAMA) MANPACK RADIOS AND EQUIPMENT 0.0 1999 The AN/PSC-5 incorporates the Demand Assigned Multiple Access DATE FY 0.0 FY 1998 PAGE NO P-1 ITEM NOMENCLATURE: P-1 SHOPPING LIST 0.0 0 FY 1997 ITEM NO. BUDGET ITEM JUSTIFICATION SHEET 440 14.1 FY 1996 0 0.001 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY FY 95 FUNDING WAS TO HOLD THE LINE OPEN. range single channel communications. FY 97 PROCUREMENT IN BLI 463300 APPROPRIATION/BUDGET ACTIVITY: 402700 ACQUISITION OBJECTIVE: 645 OF AO = 12% = 81% COST (IN MILLIONS BLI 80 520 QUANTITY FY 93: FY 96:

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D. DATE	QTY TOTAL COST								D EVETET D-5	באמוסוו ב
RER NAME TATE NAVOX, TEXAS	FY 1997 UNIT COST								=	
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION MACNAVOX, RICHARDSON, TEXAS	QTY TOTAL COST	440	77077	283	16 143	64	(67)	(700)	PCT&T	
ULAR NAME UHF TERMINAL	FY 1996 UNIT COST	4			8,958				1	
B. WEAPON MODEL/SERIES/POPULAR NAME AN/PSC-5 ENHANCED MANPACK UHF TERMINAL (EMUT) (PCN. 041311)	QTY TOTAL COST		н				£	(0)	TNC LICH	PAGE NO.
B. WEAPON MOI AN/PSC-5 ENHA (EMUT) (PCN. 041311)	FY 1995 UNIT COST								TST.1 SHODDANG 10	F-1 SHOPP ITEM NO. 26
N/BUDGET NO: RINE CORPS 4										
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4										
	IDENT.	A0917	E LINE OPER	•					002007	402700
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM	AN/PSC-5 (EMUT)	FY95 FUNDING IS TO HOLD THE LINE OPEN	SPECIAL TEST EQUIP	MOUNTS/PWR ADAPTERS	FACTORY TRAINING	INITIAL SPARES	TOTAL RESERVE COST	TOTAL COST.	BLI NK.

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ORY & PLANNING DATE:	P-1 ITEM NOMENCLATURE:	4 AN/PSC-5 ENHANCED MANPACK UHF TERMINAL (EMUT) RCN: 41331	AWARD FIRST ON AVAIL DATE DELIYERY ONY COST AND A		COM APR 96 SEP 98 440 31,004 Y N		RCOR APR 96 SEP 97 16 8,958 Y N			P-1 SHOPPING LIST  ITEM NO. PAGE NO. 26 - 3
		N/PSC-5 ENHANCE								SHOPPING LIST PAGE -
ANNING	P.		AWARD		96		96		,	1-7
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PROCUREMENT HISTORY		X	CONTRACT METHOD AND TYPE		C/FFP/O		C/FFP/O	·		
Ā		RPS/BUDGET ACTIVIT	CONTRACTOR AND LOCATION		MAGNAVOX RICHARDSON, TX		ROCKWELL			402700
	APPROPRIATION/BUDGET ACTIVITY:	PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	LINE ITEM/	AN/PSC-5	FY 96	VEHICLE MOUNTS W/PWR ADAPTERS	FY 96		REMARKS:	BLI NR.

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	*CODE B* ITEM DESCRIPTION	PTION			DATE		
APPROPRIATION/BUDGET ACTIVITY:		P-1	ITEM NOMENCLATURE:	CLATURE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		4	A	AN/PSC-5 ENHANCED MANPACK UHF TERMINAL (EMUT)	AANPACK UHF TEI	RMINAL (EMUT) RCN:	041311
1. CURRENT DEVELOPMENT AND TEST STATUS	ST STATUS				SCHEDULE DATE		11011
			CURRENT	LAST REPORTED		REASON FOR DELAY	AV
a. Developmental Test & Evaluation (DT&E)		Plan/Actual	NDI				
b. Initial Operational Test & E	& Evaluation (IOT&E) Plan/	Plan/Actual					
c. Operational Test & Evaluation (OT&E)			AR96*AUG96**	MAR 95	S/W INTEGRATION	NOI	
<ul> <li>d. Available Date of Technical Data Package (TDP or Performance Specifications</li> </ul>		Plan/Actual	OCT 92	OCT 92			
2. RSTIMATED DATE OF APPROVAL FOR SERVICE USE:	OR SERVICE USE:		MAR 96				
3. BQUIPMENT ITEM(S) TO BE REPLACED:	ACED: AN/PSC-3	۱.	LST-5C, AN/MRC-140	0			
4. EXTENT OF IMPROVEMENT OVER E	IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE I	BE REPLACED:		The AN/PSC-5 will have DAMA protocol	have DAMA pro	tocol capability	
required for satellite access after 30 sep 96, improved COMSEC, reliability,	ter 30 sep 96, improved	COMSEC, re		and portability.			
5. DEVELOPMENT CONTRACT INFORMATION		(RDT&E Funding Profile		\$ in Millions)			
CONTRACTOR NAME	PLANT LOCATION	COMPONENT		THROUGH PY (FY1994	CY (FY1995)	BY (FY1996)	BEYOND BY
			w		\$	**	
			w		\$		
			w	-	\$	w	
			₩		\$		
			w		\$ 0.019	\$ 0.075 \$	
TOTAL RDIGE FUNDING			\$	0	\$ 0.019	\$ 0.075 \$	0
REMARKS: *ASU WILL BE BASED ON 1ST ARTICLE TEST COMPLETED ** AUTHORIZES THE INITIAL MATERIAL RELEASE OF THE RADIOS.	ST ARTICLE TEST COMPLETE AL RELEASE OF THE RADIOS	IN MAR	95.				
BLI NR. 402700			P-1 SHOE	SHOPPING LIST			EXHIBIT P-19
		ILI	ITEM NO.	PAGE NO.			
		<del></del>	26 -	7			

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# APPROVED ACOUIS-FION OBJECTIVE

## PROGRAM NAME: PSC-5

#### SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:	92 118 2	210
INITIAL ISSUE		
I MARINE EXPEDITIONARY FORCE:	151	
III MARINE EXPEDITIONARY FORCE:	109	
SELECTED MARINE CORPS RESERVE:	22	
SUPPORT ESTABLISHMENT:	2	
NORWAY AIR LANDED BRIGADE:	0	
TOTAL:		435
APPROVED ACQUISITION OBJECTIVE		645

TAMCN/DODIC: ACQUISITION OBJECTIVE:	A0917 645	ITEM NAME: RCN:	AN/PSC-5 ENHANC 41311	ENHANCE MANPACK UNF TERM	TERMINAL
GAINS: *FY BUDGET *OTHER TOTAL	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996 440	FY 1997
LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER TOTAL		0	0	0	0
NET CHANGE (+/-)		0	0	440	0
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE	80	80	80	520	
TOTAL \$M VALUE	80 8.0	\$ 3.0	\$ 3.0	\$ 520	0
% A/O ON HAND/FUNDED	12 %	12 %	12 %	81 %	<b>%</b>
COMMENTS: FY 97 AND BEYOND MOVES TO BLI 463300, RADIO	O BLI 463300, RAD	SYSTEMS.	FY 1996 RECOMMENDED BUY FY 1997 RECOMMENDED BUY	BUY - QUANTITY: VALUE: BUY - QUANTITY: VALUE:	\$ 14.2 M
BLI NR. 402700		P-1 SHOI ITEM NO. 26	SHOPPING LIST PAGE NO.		EXHIBIT P-20A

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	REMARKS:	** RESERVES LINE IS NON-ADDITIVE		OTH - ALL OTHER BUYERS						
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		MANUPACTURER'S NAME & LOCATION		gnavox Plect Sys Inc. Pt. Wayne, IN				JI NR. 402700		
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AN/PSC-5 ENHANCED MANPACK UHF TERMINAL (ENUT) FISCAL YEAR;	CALENDAR YEAR	FEB		<b>†</b>	†	<del>                                     </del>	<b>†</b>									PEB NO	MANU TIM 28
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BUDGET ACTIVITY: PROCURENENT MARINE CORPS/BUDGET ACTIVITY:  S PROGRAM QUANTITY	ORGANICATION AND MORE		/P3C		/PSC		/PS	İ	1	I			1	ŀ	TOTAL:		NAW   NAW

0.0 0 FY 2001 The AN/TSC-96A is an Ultra-High Frequency (UHF) Satellite Communications Central used at the Marine Expeditionary Force, Wing, Division, and Force Service Support Group Headquarters which provides record message traffic and secure voice communications out of and within the Amphibious Objective Area and within the Naval Telecommunications System. It receives the Fleet Broadcast subsystem and provides access to the Navy's Common User Digital Information Exchange Subsystem (CUDIXS) and the Fleet Secure Voice Communications Network on a world-wide, terrain independent basis. It provides standard termination in the Defense Communications System. This program will replace Secure Voice with Advanced Narrowband Digital Voice Terminal (ANDVT), upgrade Communication Security equipment and add Demand Assigned Multiple Access (DAMA) to CUDIXS -- all required for interoperability. Also, it will replace the current computer system with one that adds increased data processing and data storage capability and supportability, 140132 AN/TSC-96A SATELLITE COMMUNICATIONS CENTRAL 0.0 RCN: AN/TSC-96A FY 2000 END ITEM add a PC computer LAN for message distribution and refit the current two shelter configuration into a single, improved S-280c/G shelter. ₹Ø-0.0 0 FY 1999 DATE FEB 96 AUG 96 0.0 0 INSTALLATION Š FY 1998 PAGE P-1 SHOPPING LIST BEGIN: END: 0.0 NAWC (AD), ST INIGOES, MD FY 1997 FY 97 ITEM NO 0 0 27 INSTALLATION AGENCY 0.0 0 FY 1996 FY 96 0 0 0.5 BUDGET ITEM JUSTIFICATION SHEET 90% of A/O AN/TSC-96A 100% of A/O FY 1995 0.534 0.534 FY 95 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY Models of Systems Affected: AN/TSC-96A MOD The Aguisition Objective is 10. APPROPRIATION/BUDGET ACTIVITY: 414500 This item is Code A. Modification Title: COSL (IN WILLIONS) BLI NR. FY94 and prior: AN/TSC-96A TOTAL **DUANTITY** FY95

IE D. DATE		COST TOTAL COST					(281)	0	EXHIBIT P-5
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION NAWC(AD)ST. INIGOES, MD		TOTAL COST UNIT COST					(213)	0	
ULAR NAME ICATIONS	FY 1996	UNIT COST							
B. WEAPON MODEL/SERIES/POPULAR NAME AN/TSC-96A SATELLITE COMMUNICATIONS CENTRAL	δ	1 315	47	83	68		(82)	534	P-1 SHOPPING LIST EM NO. PAGE NO.
B. WEAPON MC AN/TSC-96A SP CENTRAL	(RCN: 140132) FY 1995	315.418							P-1 SHOP ITEM NO.
ON/BUDGET //NO: ARINE CORPS									
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4									
	IDENT.	A A							414500
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM	AN/TSC-96A	INSTALLATION COSTS	SPECIAL TEST EQUIPMENT	INFEGRATED LOGISTICS SPT	·	Initial Spares		BLI NR.

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IF YES
WHEN
AVAIL
N/A EXHIBIT P-5A SPEC REV RQRD RCN: 140132 AN/TSC-96A SATELLITE COMMUNICATIONS CENTRAL SPECS AVAIL NOW YES DATE: \$315,418 UNIT P-1 ITEM NOMENCLATURE: PAGE NO. QTY P-1 SHOPPING LIST DATE OF FIRST DELIVERY AUG 96 ITEM NO. AWARD DATE OCT 95 27 PROCUREMENT HISTORY & PLANNING CONTRACTED BY MarCorSysCo CONTRACT METHOD 잂 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY LOCATION
NAWC(AD)
St. Inigoes, MD CONTRACTOR AND 414500 APPROPRIATION/BUDGET ACTIVITY: BLI NR. LINE ITEM/ FISCAL YEAR AN/TSC-96A FY 95 REMARKS

# APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: AN/TSC-96A

#### SUSTAINMENT

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#### INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE:	II MARINE EXPEDITIONARY FORCE: III MARINE EXPEDITIONARY FORCE:	SELECTED MARINE CORPS RESERVE:	SUPPORT ESTABLISHMENT:	NORWAY AIR LANDED BRIDGADE:	TOTAL:
I MAR	W III	SELEC	SUPPO	NORWA	

# APPROVED ACQUISITION OBJECTIVE

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	ASSET DYNAMICS	MICS	Ĭα	DATE:	
TAMCN/DODIC: ACQUISITION OBJECTIVE:	A0657 10	ITEM NAME: RCN:	AN/TSC-96A SATELLITE 140132	LLITE COMMUNICATIONS	S CENTRAL
	ENDING INVENTORY	FV 1994	яV 1995	300L VG	2000
GAINS: *FY BUDGET *OTHER TOTAL		4 0		1 1 1	0
LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER TOTAL		0 0 0 0	0 0 0 0 0		0
NET CHANGE (+/-)		4	1	0	0
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE	D	6	10	10	10
TOTAL \$M VALUE	\$2.0	\$ 3.7	\$ 4.2	\$ 4.2	\$ 4.2
* A/O ON HAND/FUNDED	\$ 05	* 00	100 %	100 \$	100 %
COMMENTS:			FY 1996 RECOMMENDED BUY FY 1997 RECOMMENDED BUY	BUY - QUANTITY: VALUE: VALUE: VALUE:	W W
BLI NR. 414500		P-1 SHOP ITEM NO. 27	SHOPPING LIST PAGE NO.		EXHIBIT P-20A

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#### INDIVIDUAL MODIFICATION

AN/TSC-96A SATELLITE COMMUNICATIONS CENTRAL MODIFICATION TITLE:

MODELS OF SYSTEMS AFFECTED:

AN/TSC-96A SATELLITE COMMUNICATIONS CENTRAL

DESCRIPTION/JUSTIFICATION:

The AN/TSC-96A will complete the JCS-mandated DAMA modification to the system, add the capability to interface with the MSC-63A's TCC/SSCC, provide interface with a LAN, upgrade all computer and security equipment, and reduce the system configuration from two shelters to a single S-280C/G shelter.

> MAJOR DEVELOPMENT MILESTONES: DEVELOPMENTAL STATUS/

Single shelter configuration is in full scale development. Integration of new/existing equipment continues.

FINANCIAL PLAN: (\$ in Millions)

	ey 1995 oty s	FY 1996 QTY &	FY 1997 OTY \$	FY 1998 OTY \$ C	PEY DOTA	FY 1999 OTX \$	FY 2000 OTY \$	TO COMP	OMP.	TOTAL OTY S	니 <sup>VA</sup>
RDT&E											
PROCUREMENT											
Kit Quantity	Т									-	
Installation Kits										4	
Install. Kits Nonrecurring											
Equipment											
Equipment Nonrecurring	0.315									•	315
Engineering Change Orders										•	775.
Data	0.089						,			•	000
Training Support										•	680.0
Support Equipment	0.083									•	000.
Other										>	.000
Interim Contractor Support											

EXHIBIT P-3A INDIVIDUAL MODIFICATION

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	EX 1995 OTX \$	FY 1996 OTY 5	FY 1997 OTX S	FY 1998 OTY S	FY 1999 OTY S	FX 2000 OTX S	TO COMP	TOTAL OTX &	
INSTALLATION OF HARDWARE									
(FY 1995) Expp (1 Kits) (FY 1996) Expp ( Kits) (FY 1997) Expp ( Kits) (FY 1999) Expp ( Kits) (FY 1999) Expp ( Kits) (FY 2000) Expp ( Kits) (TO COMP) Expp ( Kits)	1 0.047							1 0.047	
TOTAL INSTALLATION COST	1 0.047							1 0.047	
TOTAL PROCUREMENT COST	0.534							0.534	
METHOD OF IMPLEMENTATION:		ADMIN LEAD-TIME:		MONTHS	PROD	PRODUCTION LEAD-TIME:		MONTHS	
CONTRACT DATES:	PY 1996		FY 1997						
DELIVERY DATES:	FY 1996		FY 1997_						
INSTALLING SCHEDULE:	PY 1995 PY 1996	296	FY 1997	FY 1998	ω <b>Ψ</b>	EY 1999	EX 2000	TOTAL 1 2 3 4	
INPUT									
OUTPUT									

EXHIBIT P-3A INDIVIDUAL MODIFICATION

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0.0 EXHIBIT P-40 FY 2001 THE JTIDS TERMINAL PROVIDES A HIGH-CAPACITY, JAM RESISTANT, SECURE, DIGITAL COMMUNICATIONS CAPABILITY FOR THE TACTICAL COMMAND AND CONTROL (C2) PLATFORMS. 041693 THIS PROJECT PROCURES JTIDS CLASS 2/2H TERMINALS FOR THE FOLLOWING USMC HOST PLATFORMS: TACTICAL AIR OPERATIONS MODULE (TAOM), ADVANCED TACTICAL AIR COMMAND CENTRAL (ATACC), AND AIR DEFENSE COMMUNICATIONS PLATFORM (ADCP). THIS PROJECT ALSO PROCURES HARDWARE (INCLUDING GOVERNMENT FURNISHED PROPERTY (GFP)) REQUIRED TO INTEGRATE THE JTIDS CAPABILITY INTO THE TAOM AND THE ATACC. JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM 0.0 RCN: 0 2000 Fζ Š 0.0 0 1999 DATE FΥ ₹**?** 0.0 0 SHOPPING LIST PAGE NO. FY 1998 P-1 ITEM NOMENCLATURE: THIS IS A ROLL-UP LINE FOR THE JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS) 0.0 0 FY 1997 9 = 36% OF AO 19 = 76% OF AO (INCLUDES 2 PRODUCTION UPGRADE KITS) 24 = 96% OF AO (INCLUDES 3 PRODUCTION UPGRADE KITS) 25 = 100% OF AO (INCLUDES 1 PRODUCTION UPGRADE KIT) 6.9 BUDGET ITEM JUSTIFICATION SHEET 0 FY 1996 CLASS 2 TERMINALS = 25 5.0 0 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY FΥ FY 97-01 PROCUREMENT IN BLI 463200. APPROPRIATION/BUDGET ACTIVITY: ACQUISITION OBJECTIVE (A/O): 421300 COST (IN MILLIONS) MR. FY 95: FY 96: FY 97: FY98-01: **QUANTITY** 

ITEM NO.

C. MANUFACTURER NAME D. DATE PLANT CITY/STATE LOCATION VARIOUS	5	4,528 TOTAL COST 101AL COST	1,030	009	366	,	341	(6299)	(702)	0 0	EXHIBIT P
	FY 1996 Q		515,000	299,988				<u> </u>			
B. WEAPON MODEL/SERIES/POPULAR NAME JOINT TACTICAL INTERFACE DISTRIBUTION SYSTEM (JTIDS) RCN: 041693	FY 1995 QTY UNIT COST TOTAL COST	6			274			(1041)		4959	P-1 SHOPPING LIST EM NO. PAGE NO.
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS JOINT BUDGET ACTIVITY 4 SYSTEM	FY	, io									P-1 SF ITEM NO.
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM IDENT. COST ELEMENTS CODE		HIGH POWER AMPLIFIER GROUP (HPAG)	PRODUCTION UPGRADE KIT FOR FSD TERMINAL	CENTRAL SOFTWARE SUPPORT ACTIVITY/INTERMEDIATE SOFTWARE SUPPORT ACTIVITY	SUPPORT COSTS	Active Component	Reserve Component	Initial Spares	4	BLI NR. 421300

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	AY.	PROCUREMENT HISTORY	<b>3</b>	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:	ACTIVITY:				P-1 ITEM NOMENCLATURE:	MENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	CORPS/BUDGET ACTIVITY	Ķ	4		JOINT TACTION	JOINT TACTICAL INFORMATION DISTRIBUTION	TION DISTRI	BUTION	SYSTEM	(JIIDS)
									041693	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED	AWARD DATE	DATE OF FIRST DELIVERY	OTY	UNIT	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN
JTIDS CLASS 2 TERMINA										
FY 95	GEC-MARCONI-TOTOWA NJ/ROCKWELL-COLLINS CEDAR RAPIDS IA	FFD	USAF, ESC HANSCOM	30 NUC	70 NUC	6	520,540	YES	NO	N/A
FY 96	GEC-MARCONI-TOTOWA NJ/ROCKWELL-COLLINS CEDAR RAPIDS IA	44 44 44 44 44 44 44 44 44 44 44 44 44	USAF, ESC HANSCOM	JUL 96	JUL 98	80	566,000	YES	NO	N/A
HIGH POWER AMPLIFIER GROUP (HPAG)										
FY 96	GEC-MARCONI-TOTOWA NJ/ROCKWELL-COLLINS CEDAR RAPIDS IA	FFP	USAF, ESC HANSCOM	APR 96	APR 98	И	515,000	YES	NO	N/A
PRODUCTION UPGRADE FOR FSD TERMINAL (CLASS 2)	<u>«</u> -									
FY 96	GEC-MARCONI-TOTOWA NJ/ROCKWELL-COLLINS CEDAR RAPIDS IA	दस्य इस्	USAF, ESC HANSCOM	JUL 96	JUL 98	8	299,988	YES	ON	N/A
REMARKS:										
BLI NR.	421300			P-1 ITEM NO. 28	SHOPPING LIST	PAGE NO.			EXHIB	EXHIBIT P-5A

## APPROVED ACQUISITION OBJECTIVE

JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS) PROGRAM NAME:

#### SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:

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### INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE:
II MARINE EXPEDITIONARY FORCE:
III MARINE EXPEDITIONARY FORCE:
SELECTED MARINE CORPS RESERVE:
SUPPORT ESTABLISHMENT:
NORWAY AIR LANDED BRIGADE:
TOTAL:

APPROVED ACQUISITION OBJECTIVE

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	ASSET DYN	DYNAMICS		DATE:	
TAMCN/DODIC: ACQUISITION OBJECTIVE:	A08837G 25	ITEM NAME: J	JOINT TACTICAL INFOR	INFORMATION DISTRIBUTION SYSTEM	SYSTEM
	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
GAINS: *FY BUDGET *OTHER TOTAL		0	6 0	8 2 10	0
LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER TOTAL		0		0	0
NET CHANGE (+/-)		0	6	10	0
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE			6	19	
TOTAL \$M VALUE	0	\$	\$	\$ 12.6	\$
% A/O ON HAND/FUNDED	0	* 0	36	\$ 9L	* 0
COMMENTS: FY 96 OTHER-QUANTITY ARE UPGRADES OF TWO FSD TERM: FY 96 COST INCLUDES COST TO PURCHASE TWO HPAG'S. FY 97 AND BEYOND MOVES TO BLI 463200, MANEUVER C2	UPGRADES OF TWO TO PURCHASE TWO D BLI 463200, MA	FSD TERMINALS. HPAG'S.	FY 1996 RECOMMENDED BUY FY 1997 RECOMMENDED BUY	ED BUY - QUANTITY: VALUE: ED BUY - QUANTITY: VALUE:	\$
BLI NR. 421300		P-1 SHC ITEM NO. 28	SHOPPING LIST PAGE NO.		EXHIBIT P-20A
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SHEET 1 OF 2   OCT NOV DEC JAN FEB   MAR APB   MAY   JUN JUL   AUG   SEP   OCT   NOV DEC JAN   PEB   MAR APB   MAR APIBER   MAY JUN JUL   AUG   SEP   OCT   NOV DEC JAN   PEB   MAR APIBER   MAY JUN JUL   MAY JUL   M	SHEET 1 OF 2   OCT NOV DEC 3NN FEB NRR   APP   NAV   JUN   JUL   AUG   SEP   OCT   NOV DEC 3NN FEB   NAR   APP   NAV   JUN   JUL   AUG   SEP   OCT   NOV DEC 3NN FEB   NAR   APP	Santa	4	$\exists$	_	$\dashv$	_	_	_		_	$\dashv$	_[		7	$\dashv$	-		_	_	$\Box$		$\dashv$	$\dashv$	$\dashv$	_	$\dashv$										<u> </u>	├-	-	<u> </u>	-	-	<u>-</u>	-2	_
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S PROGRAM OUANTITY A			RESERVES				(RESBRVES)		LIFIER GE		1 UPGRADE												1				MANUPACTURER'S NAME & LOCATION	GEC, TOTOWA, NJ	R RAPIDS A	
	ITEM AND MANUPACTURER	CL2 TERMINAL GEC/ROCKWELL	CL2 TERMINAL (RESERVES) GEC/ROCKWELL		CL2 TERMINAL GEC/ROCKWELL		CL2 TERMINAL (RESERVES) GEC/ROCKWELL		HIGH POWER AMPLIFIER GE GEC/ROCKWELL		CL2 PRODUCTION UPGRADE GEC/ROCKWELL														TOTALS		Ŝ	TOTOWA, N	WELL, CRUA	BLI NR. 421300

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0.0 0 FY 2001 044197 Automatic Test Equipment is used to Troubleshoot Line Replaceable Units (LRU) and Circuit Assemblies (CCA Weapon Systems. It consists of both hardware and software, portable and semi-portable equipment. This is a Roll-UP LINE: RCN: 0.0 FY 2000 22.9 74 FY 1999 AUTOMATIC TEST EQUIPMENT DATE 72 21.8 P-1 SHOPPING LIST M NO. PAGE NO. FY 1998 P-1 ITEM NOMENCLATURE: 12.2 41 FY 1997 ITEM NO BUDGET ITEM JUSTIFICATION SHEET 12.0 12 1996 04 FΥ ጭ 2.1 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY ᅜ 12 = 5% OF AO 53 = 22% OF AO 124 = 52% OF AO 198 = 84% OF AO ₩ A0 = 237APPROPRIATION/BUDGET ACTIVITY: 440200 FY 1996 UNIT COST: \$298,178 AN/USM-657 THIRD ECHELON TEST SET SYSTEM ACQUISITION THIS ITEM IS CODE COST (IN MILLIONS) Ę BLI QUANTITY FY 1996 FY 1997 FY 1998 FY 1999

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	d	PROCUREMENT HISTORY &	ITSTORY & PL	PI,ANNING				חשתם.		
APPROPRIATION/BUDGET ACTIVITY:		A CONTRACTOR OF THE PROPERTY O			P-1 ITEM NOMENCLATURE:	MENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ORPS/BUDGET ACTIVI	TY	04		AUTOMATIC T	AUTOMATIC TEST EQUIPMENT	T.N			*
			-						044197	
LINE ITEM/	CONTRACTOR AND	CONTRACT METHOD	CONTRACTED	AWARD	DATE OF FIRST DELIMEDY	AMO	UNIT	SPECS	SPEC REV	IF YES WHEN
AN/USM-657 THIRD ECHELON TEST SET						, ,			Pi N	TI VAN
FY 1996 FY 1997	UNKNOWN	C/FFP C/OPTION	MCSC	36 NON 96 NON	OCT 96 JAN 97	12	553, 583 294, 293	YES	NO NO	
REMARKS:										
BLI NR.	440200			2	P-1 SHOPPING LIST	EAGE NO.			EXHIBI	EXHIBIT P-5A
				29	1	<b>1</b>				

APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY  1. CURRENT DEVELOPMENT AND TEST STATUS	<i>ζ</i> :	_	P-1 ITEM NOMENCLATURE:	ICLATURE:			
CURRENT DEVELOPMENT AND 1	GET ACTIVITY	0.4		AUTOMATIC TEST EQUIPMENT (AN/USM-657)	IPMENT (AN/USM-		
	TEST STATUS				SCHEDULE DATE	KCN:	044197
			CURRENT	LAST REPORTED		REASON FOR DELAY	,
		I					
Developmental Test & Evaluation (DT&E)	luation (DT&E)	Plan/Actual	JAN 1993	JAN 1993			
Initial Operational Test & Evaluation (IOT&E)	& Evaluation (IOT&E)	Plan/Actual	N/A	OCT 1995			
Operational Test & Evaluation (OT&E)	ition (OT&E)	Plan/Actual	N/A	N/A			
Available Date of Technical Data Package (TDP	sal Data Package (TDP	Plan/Actual	OCT 1995	MAR 1995			
or Performance Specifications	cations						
ESTIMATED DATE OF APPROVAL FOR SERVICE USE:	AL FOR SERVICE USE:		MARCH 1996				
EQUIPMENT ITEM(S) TO BE REPLACED:		N/A					
DVIIDAM OF TANDONESTIMENT OF	m (s) terms my marriage market						
5. DEVELOPMENT CONTRACT INFORMATION		(RDT&E Funding Profile	₹A-	in Millions)			
CONTRACTOR NAME	PLANT LOCATION	COMPONENT		THROUGH PY (FY1994	CY (FY1995)	BY (FY1996)	BEYOND BY
	ALBANY GA	TETS	₹	1.289	\$ 0.882	\$ .100\$	1
	ALBANY GA	TETS RF	₩.			\$ 0.	.100
	ALBANY GA	TEST EO	\$			.300	. 200
			₹S				
			₩		₹.	₩.	
FAL RDT&E			\$	1.289*	\$ 1.182*\$	\$ 0.541\$	1.035
*FY 1992-199	*FY 1992-1994 FUNDS PROVIDED BY ADVANCE WARFARE TECHNOLOGY (AWT)	ADVANCE WARFAI	RE TECHNOLOGY	(AWT) CENTER. THIS	IS A	LRIP PROCUREMENT FY 96.	
BLI NR. 440200			P-1 SHO	SHOPPING LIST			EXHIBIT P-19
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## APPROVED ACQUISATION OBJECTIVE

## PROGRAM NAME: AUTOMATIC TEST EQUIPMENT THIRD ECHELON TEST SET

### SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:	00	0
INITIAL ISSUE		
I MARINE EXPEDITIONARY FORCE: II MARINE EXPEDITIONARY FORCE: III MARINE EXPEDITIONARY FORCE: SELECTED MARINE CORPS RESERVE: SUPPORT ESTABLISHMENT: NORWAY AIR LANDED BRIDGADE:	42 42 42 27 18	1
APPROVED ACQUISITION OBJECTIVE	N 0	237

	ASSET DYNAMICS		DA	DATE:	
TAMCN/DODIC: ACQUISITION OBJECTIVE:	TBD 237	ITEM NAME: AU RCN: 04	AUTOMATIC TEST EQUIPMENT 044197	(ATE)	THIRD ECHELON TEST SET
	ENDING INVENTORY 30 SEP 1993	HV 1997	ТОО 1	7007	1000
GAINS: *FY BUDGET *OTHER TOTAL		0	0		41
LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER TOTAL		0	0	0	
NET CHANGE (+/-)		0	0	12	41
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB UNSERVICEABLE *SUB UNSERVICEABLE			0	12	53
TOTAL \$M VALUE	0	\$	\$	\$ 12.0	\$ 24.2
% A/O ON HAND/FUNDED	* 0	0	* 0	5	22 %
COMMENTS: THIS ENCOMPASSES THE THIRD ECHELON TEST SET	D ECHELON TEST SET		FY 1996 RECOMMENDED BUY FY 1997 RECOMMENDED BUY	BUY - QUANTITY: VALUE: BUY - QUANTITY: VALUE:	\$ 12.0 M 41 41 \$ 12.2 M
BLI NR. 440200		P-1 SHOPI ITEM NO. 29	SHOPPING LIST PAGE NO.		EXHIBIT P-20A
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DATBI		96 R MAY JUN JUL AUG SEP		<								R MAY JUN JUL AUG SEP	TOTAL	1 OCT 12	
	YEAR: 96											V DEC JAN PEB MAR APR		AFTER FACTORING 1 OCT TIME 8 4	
AUTOMATIC TEST BOUIPHENT	PISCAI	JUN JUL AUG SEP OCT NOV DEC										JUN JUL AUG SEP OCT NOV DEC	PROCUREMENT LEAD TIME ADMIN LEAD TIME	INITIAL 1 OCT REORDER (Frevious Source	PPING LIST PAGE NO.
		¥ X										JAN FEB HAR APR HAY JU	REACHED D+	INITIAL REORDER (I	P-1 SHOPPING LIST ITEM NO. PAGE N.
PMC PRODUCTION SCHEDULE (4850) 04 P-1 ITEM NOMENCLATURE,	BAL PISCAL YEAR!	PATON DUB CY 94 CALENDAR YEAR 1 TO AS OF 1 OCTI OCT CCT NOV DEC JAN FEB MAR APR	12	41						,	53	1 OCT NOV DEC JA	PRODUCTION RATES RIHIN SUST 1-8-5 MAXIMUM		
S/BUDGET ACTIVITY:	AM QUANTITY ACC	PY PY PY TO 1 0C' 95 96 97	2	43	12 0						12 41 0	SHEET 1 OF	PRO HIN SUST		
CUREMENT MARINE CORP	PROGRA	U/M R V			ва нс								MANUFACTURER'S NAME & LOCATION		-
BUDGET ACTIVITY: PROC	S PROGRAM QUANTITY A	ITEM AND MANUPACTURER U/H	TAS TRAIN WAST SET	3RD ECHBLON TEST SET	3RD ECHBLON TEST SET (RESERVE)						TOTAL		MANUFACTURE	100	BLI NR. 440200

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	BU	DGET ITEM JUST	BUDGET ITEM JUSTIFICATION SHEET			DATE		
APPROPRIATION/BUDGET ACTIVITY:	TIVITY:			P-1 ITEM NOMENCLATURE:	NCLATURE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	RPS/BUDGET	ACTIVITY	04	-	GENERAL PURP	SE ELECTRONIC	GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT (GPETE)	(GPETE)
							RCN:	RCN: 045887
		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FV 2001
QUANTITY		0	0	0	0	0		
COST (IN MILLIONS)		\$ 3.7	\$ 6.1	\$ 8.6	\$ 7.8	\$	\$ C &	0

Funds allocated under this line are used to procure General Purpose Electronic Test, Measurement, and Diagnostic Equipment to support major items of electronic equipment. Funds sustain modernization and standardization efforts in addition to meeting new requirements.

All of the items are Code A.

This is a roll-up line that consists of many different items and separate acquisitions.

All of these items are required to support other Marine Corps systems already fielded or in the acquisition pipeline.

BLI NR. 442900

P-1 SHOPPING LIST
ITEM NO. PAGE NO.

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				2 2	30	_		
EXHIBIT P-5				P-1 SHOPPING LIST	P-1 SHOP		442900	BLI NR.
500	25000	20 500	25000				æ	PROTOCOL ANALYZER (TEL)
30 600	20000	20 400	20000				æ	PROTOCOL ANALYZER (LAN)
25 250	10000					·	æ	POWER METER (OPTICAL)
		150	2500	60 150	2500		ď	POWER METER (CW)
30 300	10000	300	10000	30 300	10000		A	POWER METER (PULSE)
***************************************				250 500	2000		A	ARB FUNCTION GENERATOR
100 400	4000	50 200	4000	100	4000		A	GROUND TESTER
50 250	2000	50 250	2000	50 250	2000		¥.	GROUND TESTER (CLAMP-ON)
		40 269	6725	40 269	6725		Ą	OPTICAL TDR
				198	4950		4	TEST SET; TELECOM
		75 375	2000	75 375	2000		ď	MAINT KIT MK-2663
		25 183	7320	50 366	7320		ď	USM-646 SEMI-CONDUCTOR
		25 210	8400	50 400	8000		Ą	USM-646 TEST STATION
QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1995 UNIT COST		IDENT. CODE	WEAPON SYSTEM COST ELEMENTS
	TATE	PLANT CITY/STATE LOCATION VARIOUS	C TEST	GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT (GPETE) (RCN 045887)	GENERAL PURPOSE E EQUIPMENT (GPETE) (RCN	ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 04		ANALYSIS EXHIBIT (P-5)
D. DATE	RER NAME	C. MANUFACTURER NAME	ULAR NAME	B. WEAPON MODEL/SERIES/POPULAR NAME	B. WEAPON MO	A. APPROPRIATION/BUDGET		WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)

D. DATE	VTV TOTAL		200 2800	400 2400	180	429				(6249)	8559	EXHIBIT P-5
RER NAME TATE	FY 1997	3000	14000	0009					•			·
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS	QTY TOTAL COST	75 225		400 2400	196	& 6 E			(96)	(5414) (642)	6056	
C TEST	FY 1996 INTT COST	3000		0009								
B. WEADON MODEL/SERIES/POPULAR NAME GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT (GPETE) (RCN 045887)	QTY TOTAL COST				117	382				(2914)	3707	ING LIST PAGE NO.
B. WEAPON MODEL/SE GENERAL PURPOSE E EQUIPMENT (GPETE) (RCN	FY 1995 UNIT COST											P-1 SHOPPING LIST ITEM NO. PAGE N
N/BUDGET NO: RINE CORPS 04												
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 04												
	IDENT. CODE	A	ď	æ	N/A	N/A	•	·				442900
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM COST ELEMENTS	HANDHELD BIT ERROR RATE TESTOR (BERT)	SIGNAL GENERATOR	TEST ADAPTER; RADIO	SOFTWARE SUPPORT	LOGISTICS SUPPORT Training Material Factory Training Tech Manuals Provisioning Data Acceptance Testing			INITIAL SPARES	(TOTAL ACTIVE) (TOTAL RESERVES)	TOTAL COST	BLI NR.

									-	
11								DATE:		
PROCUREMENT HISTORY & 1	& PLANNING				P-1 ITEM NOMENCLATURE:	TENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	RPS/BUDGET ACTIVITY	•	04		GENERAL PURI	GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT RCN:	NIC TEST EQ	_	(GPETE)	V - W
	CONTRACTOR	CONTRACT			DATE OF				Cure	7000
LINE ITEM/ FISCAL YEAR	AND	METHOD AND TYPE	CONTRACTED	AWARD DATE	FIRST	OTY	UNIT	AVAIL	REV RORD	WHEN
USM-646 TEST STATION										
FY95 FY96	VARIOUS	C/FPO C/FPO	NAVY (NUWC) NAVY (NUWC)	APR95 JAN96	JUL95 APR96	50	8400	YES	NO NO	N/A N/A
USM-646 SEMI-CONDUCTOR	æ									
FY95 FY96	HUNTRON HUNTRON SEATTLE, WA	C/FPO C/FPO	NAVY (SPCC) NAVY (SPCC)	APR95 JAN96	JUL95 APR96	50 25	7320	YES	NO	N/A N/A
MAINT KIT MK-2663										
FY95 FY96	PACE INC PACE INC LAUREL, MD	C/FPO C/FPO	NAVY (NSWC) NAVY (NSWC)	FEB95 FEB96	MAY95 MAY96	75	5000	YES	NO NO	N/A N/A
TEST SET, TELECON										
FY95	C&R CORP SAN JOSE, CA	C/FPO	NAVY (SPCC)	FEB95	MAY95	40	4950	YES	NO	N/A
OPTICAL TDR										
FY95 FY96	ANRITSU ANRITSU MORGAN HILL, CA	C/FPO C/FPO	NAVY (SPCC) NAVY (SPCC)	MAR95 MAR96	AUG95 AUG96	40	6725 6725	YES	NO ON	N/A N/A
GROUND TESTER (CLAMP-ON)	(NO								The	
FY95 FY96 FY97	AEMC AEMC AEMC BOSTON, MA	C/FPO C/FPO C/FPO	NAVY (SPCC) NAVY (SPCC) NAVY (SPCC)	APR95 JAN96 JAN97	AUG95 MAY96 MAY97	50 50 50	5000 5000 5000	YES	ON ON ON	N/A N/A N/A
									•	
REMARKS:										

EXHIBIT P-5A

442900

BLI NR.

P-1 SHOPPING LIST
THEM NO. PAGE NO.

	Pi	COCUREMENT H	PROCUREMENT HISTORY & PLANNING	NNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	CTIVITY:		04		P-1 ITEM NOMENCLATURE: GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT	ENCLATURE:	NIC TEST EQ	JIPMENT	(GPETE)	
									045887	***
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED	AWARD	DATE OF FIRST DELIVERY	OTY	UNIT	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN AVATI
GROUND TESTER										
FY95	PPM INC	C/FPO	NAVY (SPCC)	APR95	AUG95	100	4000	YES	NO	N/A
FY96 FY97	PPM INC	C/FPO C/FPO	NAVY (SPCC)	JAN96 JAN97	MAY96 MAY97	100	4000	YES	0 0	A 4
	CLEVELAND, OH									:
ABR FUNCTION GENERATOR FY95	WILTRON, MORGAN HILL, CA	C/FPO	USMC	AUG95	JAN96	250	2000	YES	ON	N/A
POWER METER (PULSE)										
FY95	GIGA-TRONICS	C/FP	NAVY (SPCC)	APR95	OCT95	30	10000	YES	ON S	N/A
FY97	SAN RAMON, CA	C/FPO	NAVY (SPCC)	JAN97	MAY97	30	10000	YES	2 S	N/A N/A
POWER METER (CW)										
FY95	HEWLETT-PACKARD	C/FP	NAVY (SPCC)	APR95	OCT95	09	2500	YES	ON S	N/A
0614		0/44/0	MAY 1 (SECU)	96,000	ociam	00	7,000	X X	2	N/A
POWER METER (OPTICAL) FY97	TBD	C/FP	NAVY (SPCC)	MAR97	201.97	25	10000	o O	YES	MAY95
PROTOCOL ANALYZER (LAN)	(N)								•	<b></b>
FY96	ТВО	C/FPO	NAVY (SPCC)	MAR96	30105	20	20000	YES	õ	N/A
FY97	TBD	C/FPO	NAVY (SPCC)	JAN97	MAY97	30	20000	YES	ON.	N/A
PROTOCOL ANALYZER (TEL)	(T)					_				
FY96	TBD	C/FP	NAVY (SPCC)	MAR96	SEP96	20	25000	YES	YES	MAY95
FY97	TBD	C/FPO	NAVY (SPCC)	JAN97	MAY97	20	25000	YES	YES	MAY95
HANDHELD BERT										
FY96	TBD	C/FP	USMC	MAR96	30L96	75	3000	YES	YES	MAY95
FY97	TBD	C/FPO	USMC	JAN97	MAY97	150	3000	YES	YES	MAY95
REMARKS:										

PAGE NO. P-1 SHOPPING LIST

ITEM NO. 30

442900

BLI NR.

EXHIBIT P-5A

	Δ·	ROCUREMENT H	PROCUREMENT HISTORY & PLANNING	INNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY: PROCTIBEMENT MADINE CODES/DINGET ACTIVITY	, i		70		P-1 ITEM NOMENCLATURE:	MENCLATURE:	10 HOUR CT1		u	
TO SULTABLE ! INTERIOR !!	MES/BODGEL ACLIVITI		<b>5</b> 0		GENERAL FUR	GENERALI FURFOSE ELECTRONIC TEST EQUIPMENT RCN:	OH LEHL OTN	RCN:	٣ò	
LINE ITEM/	CONTRACTOR	CONTRACT	CONTRACTED	AWARD	DATE OF		TIMI	SPECS	SPEC	IF YES
FISCAL YEAR	LOCATION	AND TYPE	ВУ	DATE	DELIVERY	QTY	COST	MON	RORD	AVAIL
SIGNAL GENERATOR FY97	WILTRON MORGAN HILL. CA	C/FPO	USMC	JAN97	APR97	200	14000	YES	NO	N/A
TEST ADAPTER; RADIO FY96		SS	ARMY	FEB96	JUL96	400	0009	YES	<u> </u>	8 8 8
FY97	WICHITA, KS	SS	ARMY	FEB97	70105	400	0009	YES	ON ON	N/A
REVARKS:			<b>.</b>							
BLI NR.	442900			P-1	P-1 SHOPPING LIST	[ST			EXHIBIT P.5A	T P-5A
				ITEM NO.	ı	PAGE NO.				; ;
			ال			•				

0.0 0 2001 043638 The SINCGARS radio will be used as the primary means of communication for command and control as well as fire support on the battlefield. SINCGARS will be highly reliable with over 1250 hours mean time between failure and built-in test equipment will ease the workload. Frequency hopping capability offers low probability of intercept, while integrated COMSEC deletes the requirement for external communications security equipment. The SINCGARS radio will replace all AN/PRC-77 manpack, Bancroft, and AN/VRC-12 family of vehicular radios currently in the RCN: 0.0 2000 FY ŧs. 0.0 0 FY 1999 DATE 0.0 0 PAGE NO FY 1998 SINCGARS P-1 ITEM NOMENCLATURE: P-1 SHOPPING LIST 0.0 c FY 1997 Acquisition Objective (AO) = 25390 ITEM NO 47.0 BUDGET ITEM JUSTIFICATION SHEET 0 FY 1996 ₹₹₽ 65.8 0 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY FY 97-99 PROCUREMENT IN BLI 463300. of A0 of A0 of A0 of A0 APPROPRIATION/BUDGET ACTIVITY: The SINCGARS radio is Code A. 451000 = 85% = 100% 53% 70% farine Corps inventory. COST (IN MILLIONS) 17716 21519 25390 BLI NR. Prior Years 13460 QUANTITY FY97-01 FY95 FY96

D. DATE	QTY THOMBI COST						BXHIBIT P-5
URER NAME STATE	Indiana FY 1997						
(7) be	Fort Wayne, QTY TOTAL COST		8715 2134 2350 2202 375			(1278)	47014
PULAR NAME	FY 1996 UNIT COST	7,663					
WEAPON MODEL/SERIES/POPULAR NAME	QTY TOTAL COST	4256 40180	6816 3908 8654 85778 100 390	,		(1146)	65826 ING LIST PAGE NO.
B. WEAPON MO SINCGARS	FY 1995 UNIT COST	9,441					P-1 SHOPPING LIST ITEM NO. PAGE N
ON/BUDGET /NO: ARINE CORPS							
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4							
	IDENT. CODE						451000
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM COST ELEMENTS	SINCGARS	Ancillary Equipment Installation Kits Program Support Reliability Award Fee Warranty Consulting Services			Initial Spares	TOTAL COST BLI NR.

	Pi	PROCUREMENT HISTORY	48	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:	ACTIVITY:				P-1 ITEM NOMENCLATURE	MENCLATURE:				
OCUREMENT, MARINE (	PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	Ž.	4		SINCGARS			RCN	043638	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT		SPEC REV RQRD	IF YES WHEN AVAIL
SINCGARS										
FY 95 FY 96	ITT, FORT WAYNE, IN	FFP	СЕСОМ	MAR 95 MAR 96	JUN 96 JUN 97	4256 3803	9,441 7,663	YES	NO NO	N/A N/A
REMARKS:	UNIT COSTS DO NOT INCLUDE NAVY FUNDS WERE APPLIED TO THE FY95 STATE REDUCTION IN 25, 391 ACCHISTRED NO BARCHINE	INCLUDE NAUY TO THE FY95 REDUCTION IN		DING. MODI OF RACURE A OF RADIOS	COMSEC FUNDING. MODIFICATION TO FY-94 CONTRACT REFLECTS UNIT COST SAVINGS. CONTRACT TO PROCURE AN ADDITIONAL 1000 PRC-119 RADIOS. THIS WILL RESULT THE NUMBER OF RADIOS BOUGHT IN FY 97. COMBINED BUS WILL NOT EXCERT THE TIME FOR THE TIME OF TIME OF THE TIME OF THE TIME OF TIME OF THE TIME OF	FY-94 CONTI 1 100 PRC-1	CONTRACT REFLECTS UNIT COST SAVIN PRC-119 RADIOS. THIS WILL RESULT COMBINED BUYS WILL NOT EXCERD THE	TOWIT THE A	S UNIT COST SAVIN	VINGS.
	THE SINCGARS RADIO			W 100 CT	,		N WAKTOOS W	ONE LGORG	O SMOTIS	L.
BLI NR.	451000			P-1 ITEM NO.	SHOPPING LIST	EST PAGE NO.			EXHIBI	EXHIBIT P-5A
		1		31	:	~				

## APPROVED ACQUISITION OBJECTIVE

## PROGRAM NAME: SINCGARS

#### SUSTAINMENT

INTENANCE FLOAT: TOTAL:	WAR RESERVE MATERIAL REQUIREMENT:	3795
TOTAL:	DEPOT MAINTENANCE FLOAT:	1842
	TOTAL:	

5637

### INITIAL ISSUE

· CV	APPROVED ACQUISITION OBJECTIVE:
	TOTAL:
0	NORWAY AIR LANDED BRIGADE:
5870	SUPPORT ESTABLISHMENT:
3556	SELECTED MARINE CORPS RESERVE:
2089	III MARINE EXPEDITIONARY FORCE:
3962	II MARINE EXPEDITIONARY FORCE:
4276	I MARINE EXPEDITIONARY FORCE:

#### 25390

19753

	ASSET DYNAMICS			DATE:	
TAMCN/DODIC: ACQUISITION OBJECTIVE:	F4019 25,390	ITEM NAME: RCN:	SINCGARS 043638		
	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
GAINS: *FY BUDGET *OTHER TOTAL		3636 0 3636	4256		
LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER TOTAL		0		0	0
NET CHANGE (+/-)		3636	4256	3803	0
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE	9824	13460	17716	21519	
TOTAL \$M VALUE	9824	13460	17716	\$ 235.6	0   \$
% A/O ON HAND/FUNDED	39 8	53 %	70 %	85 %	*
COMMENTS: FY 97 AND BEYOND MOVES TO BLI 463:	O BLI 463300, RAN	300, RADIO SYSTEMS.	FY 1996 RECOMMENDED BUY FY 1997 RECOMMENDED BUY	ED BUY - QUANTITY: VALUE: ED BUX - QUANTITY: VALUE:	\$ 3803 \$ 47.0 M \$ M
BLI NR. 451000		F-1 SHOI ITEM NO. 31	SHOPPING LIST PAGE NO.		EXHIBIT P-20A

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PMC PRODUCTION SCHEDULE (4850) 4 P-1 ITEM NOMENCLATURE:	SAR Y	PEB W	۲		٧ .		۲							 		B XAR	<u></u>		ᆔ	
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CORPS/BUDGET ACT	TITY	77														SHEET				I
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SEP SEP AUG JUN JUL AUG JUL DEC JAN FEB MAR APR MAY JUN SEP OCT NOV DEC JAN FEB HAR APR HAY AUG SEP OCT NOV DEC JAN FEB NAR APR NAY JUN JUL AUG SEP OCT NOV JUL AUG TOTAL AFTER 1 OCT 20 APR KAY JUN MANU-FACTURING TINE 15 FEB MAR DEC JAN AFTER 1 OCT OCT NOV PRIOR 1 OCT AUG SEP INITIAL
REORDER (Previous Source
P-1 SHOPPING LIST
ITEM NO. PAGE NO. JUL NUC DEC JAN FEB WAR APR WAY JUN JUL HAY APR DEC JAN FEB MAR ٠ 9 - - -PRODUCTION RATES

NIN SUST 1-8-5 NAXINUM D+ ACC BAL FISCAL YEAR:
PRIOR DUE CY: 97
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1 OCT1 OCT NOV DEC c = r - 60 60 **-** • NOV - 6 1850 ğ - 4 6 1375 07 2 ž SHEET 2 ž . . . V 4 L I - **6** € Ľ ĭ 4 6 4 ~ ~ ~ 1 4 1 6 HANUFACTURER'S NAME & LOCATION ¥ KC Ä ស ខេ ៥ > < 4 z z TT, Fort Wayne, Indiana ITEN AND MANUFACTURER BLI NR. 451000 TOTALS

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0.0 EXHIBIT P-40 2001 047239 FΥ 0.0 RCN: FY 2000 0.0 0 FY 1999 MODIFICATION KITS (TEL) The COMSEC cable line is in support of various communications security systems being fielded including the KY-99 MINTERM, the Electronic Key Management System, the Data Transfer Device, and the STU III. COMSEC cables will interface with various communications devices, to include radios, switches, computers and satellites to provide secure transmissions at all times. DATE 0.0 0 PAGE NO. FY 1998 P-1 ITEM NOMENCLATURE: P-1 SHOPPING LIST 0.0 0 FY 1997 ITEM NO. Models of systems affected: COMSEC Cables - EKMS, DTD, KY-99, STU III 32 1.1 BUDGET ITEM JUSTIFICATION SHEET 0 FY 1996 FY 1996 \$1.073 Modifications under this line are for COMSEC Cables. (\$ IN MILLIONS) FY 1995 1.1FY 1995 \$1.087 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY FY 97-01 procurement in BLI 463700 APPROPRIATION/BUDGET ACTIVITY: 455500 MODIFICATION TITLE COST (IN MILLIONS) COMSEC CABLES QUANTITY

A A B A B A B A B A B A B A B A B A B A	DEMT.   CODE   COT   C	WEAFON SISIEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4	B. WEAPON MODEL/SERIES MODIFICATION KITS (TEL) RCN: 047239	B. WEAPON MODEL/SERIES/POPULAR NAME HODIFICATION KITS (TEL) RCN: 047239	PULAR NAME	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS	JRER NAME STATE	D. DATE
A CODE NATE COST TOTAL	A MIT COST TOTAL COST	IDI	DENT.		FY 1995	īζ		УТQ	FY 1997	QTY
945 927 957 957 957 957 957 957 957 957 957 95	455500  A 25500	CODE		UNIT COST	TAL		TOTAL COST	UNIT COST	TOTAL COST	
21 30 30 30 30 30 30 30 30 40 40 40 40 40 40 40 40 40 40 40 40 40	455500 455500 455500 1087 1087 1087 1087 1087	<b>4</b>								
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455500 P-1 SHOPDING LIST	455500 1087 1073 1073 1073 1073 1073 1073 1073 107	NEW EQUIPMENT TRAINING				30		30		
. 455500 P-1 SHOPPING LIST	. 455500 ITEM NO. PAGE NO.									
455500 P-1 SHOPPING LIST	455500 P-1 SHOPPING LIST ITEM NO. PAGE NO.					1087		1073		
		BLI NR. 455	5500		P-1 SHOPI	PING LIST			,	EXHIBIT P-5

		PROCUREMENT HISTORY	વ્ય	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY	ACTIVITY:				P-1 ITEM NO	P-1 ITEM NOMENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	CORPS/BUDGET ACTIVIT		4		MODIFICATIO	MODIFICATION KITS (TEL)		RCN: (	047239	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED	AWARD DATE	DATE OF FIRST DELIVERY	VTQ	UNIT		SPEC REV RORD	IF YES WHEN
COMSEC CABLES/ FY95	USACCSLA Ft Huachuca, AZ	MIPR	сесом	JAN95	JUL95	5150	143	YES	NO	N/A
FY95	TRACOR Chesapeake, VA	MIPR	NAWCAD	SEP95	NOV95	VARIOUS	VARIOUS	YES	NO	N/A
FY95	TRACOR Chesapeake, VA	MIPR	NISE EAST	SEP95	DEC95	400	599	YES	NO	N/A
FY95	MOTORLA Scottsdale, AZ	MIPR	NSA	MAR95	AUG95	VARIOUS	VARIOUS	YES	ON O	A/N
FY96	TRACOR Chesapeake, VA	MIPR	NISE EAST	MAR96	9СТ96	VARIOUS	VARIOUS	YES	ON O	N/A
REMARKS: Five differe	Five different cables and various quantities for each are being purchased on one contract.	us quantition	es for each	are being I	purchased on	one contra	at.			
BLI NR.	455500			P-1 ITEM NO.	SHOPPING LI	ST PAGE NO.			EXHIBIT P-5A	r P-5A
				7						

### INDIVIDUAL MODIFICATION

MODIFICATION TITLE: COM

COMSEC Cables

MODELS OF SYSTEMS AFFECTED:

EKMS, DTD, STU III, KY-99, KY-68

DESCRIPTION/JUSTIFICATION:

Cables produced will interface the above listed systems with various transmission systems, to include MRC-138, GRC-193, AAVC7, AND LAV-AD.

DEVELOPMENTAL STATUS/ MAJOR DEVELOPMENT MILESTONES: FINANCIAL PLAN: (\$ in Millions)

LOTAL	€/3
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2	OTY \$
FY 2000	₹/3
FY	OTY
FY 1999	€O.
ΕX	OTX
7Y 1998	€O
FY	OTX
FY 1997	€O≱
FY	OTY S
FY 1996	voj
EX	OTY
Y 1995	va
ΕX	OIX

RDT&E

PROCUREMENT

Kit Quantity Installation Kits		
Install. Kits Nonrecurring	. 945	. 927
Equipment	0	0
Equipment Nonrecurring	.049	.051
Engineering Change Orders	0	0
Data	.093	.095
Training Support	0	0
Support Equipment	0	0
Other	0	0
Interim Contractor Support	0	0

0 1.872

0 .100 . .188 . .

TOTAL 7 MONTHS OIX TO COMP FY 2000 PRODUCTION LEAD-TIME: FY 2000 OTX S FY 1999 OTY \$ FY 1998 FY 1998 OTX S 5 MONTHS FY 1997 FY 1997 FX 1997 OTX S FY 1997 2 3 4 ADMIN LEAD-TIME: 1.073 FY 1996 OIY S FY 1996 MAR 96 FY 1996 OCT 96 FY 1996 1.087 FY 1995 OTY S METHOD OF IMPLEMENTATION: Field Installed Kits)
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Kits) (FY 1995) Eqpt (
(FY 1996) Eqpt (
(FY 1997) Eqpt (
(FY 1999) Eqpt (
(FY 1999) Eqpt (
(FY 2000) Eqpt (
(TO COMP) Eqpt ( TOTAL PROCUREMENT COST INSTALLATION OF HARDWARE TOTAL INSTALLATION COST INSTALLING SCHEDULE: CONTRACT DATES: DELIVERY DATES:

EXHIBIT P-3A INDIVIDUAL MODIFICATION

INPUT

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0.0 2001 949509 ¥ 0.0 RCN: FY 2000 ITEMS LESS THAN \$2 MILLION (TEL) 0.0 0 FY 1999 DATE 0.0 0 FY 1998 P-1 ITEM NOMENCLATURE 0.0 0 FY 1997 BUDGET ITEM JUSTIFICATION SHEET 1.4 0 FY 1996 04 2.2 0 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY FY APPROPRIATION/BUDGET ACTIVITY: SOCITION NI LICENS QUANTITY

This is a roll-up line which contains many different and unrelated items of equipment for which the annual procurement is less than \$2 Million each. The only thing these different items have in common is that they all are related to the Telecommunications (TEL) mission area. The funds included in this budget line allow procurement of the following items:

- Marine Corps Automatic Test Equipment System (MCATES) funding provides for integration and fielding of the
- \* Power Supply equipment which provides direct current (DC) voltage from an alternating Voltage (AC) power source. This enables communication equipment to operate without using batteries. It also provides DC voltage to aid in the maintenance of electronic equipment.
- \* Tools, Sets, Kits, & Chests (TSK&C) are general purpose tools and support items used to support the installation, operation, and maintenance of communications equipment.
  - \* Joint Communications Support Element (JCSE) equipment modernization. This effort funds the Marine Corps share of efforts to keep the JCSE equipped with the latest state-of-the-art equipment to accomplish its Joint

All of these items are Code A

FY 97-01 procurement in BLI 463700 and 463900

BLI NR. 456700

P-1 SHOPPING LIST
M NO. PAGE NO.

EXHIBIL

D. DATE	QTV	TOTAL COST							EXHIBIT P-5
RER NAME TATE	FY 1997	ONTT. COST							
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS	QTY MOUNT GOOD	TOTAL COST	711			456	247	1414	
PULAR NAME N (TEL)	FY 1996	OMII CODI	Various			Various	Various		
B. WEAPON MODEL/SERIES/POPULAR NAME ITEMS LESS THAN \$2 MILLION (TEL) (RCN 949509)	QTY TOWNI COSM	50	1582	C.	24. 24.		188	2163	ING LIST PAGE NO.
B. WEAPON MO ITEMS LESS T	FY 1995	1200	Various				Various		P-1 SHOPPING LIST THEM NO. PAGE N 33 7
N/BUDGET /NO: ARINE CORPS									
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 04									
	IDENT.	ď	æ	ধধ		æ	Ą		456700
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM COST ELEMENTS	Auto Test Equip (MCATES) (RCN 044197)	Power Supply 0-30 Volt	24-28 Volt 20-80 Volt Logistics Sumply	Testing, Tech Data, Manuals, Training (RCN 040288)	Tools Sets, Kits, Chests (TSK&C) (RCN 040958)	JCSE Modernization	TOTAL COST	BLI NR.

	PR	PROCUREMENT HISTORY	که	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:	ACTIVITY:				P-1 ITEM NO	P-1 ITEM NOMENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACT	ORPS/BUDGET ACTIVITY	<b>&gt;</b> 4	04		ITEMS LESS	ITEMS LESS THAN \$2 MILLION (TEL)	LION (TEL)			<del></del>
								RCN:	949509	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED	AWARD DATE	DATE OF FIRST DELIVERY	VTO	UNIT	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN
AUTOMATIC TEST EQUIPMENT FY95	Ç	VARIOUS	MCLB ALB	VARIOUS	VARIOUS	N/A	*05	N/A	N/A	N/A
POWER SUPPLIES FY95 FY96	UNKNOMN UNKNOMN	C/FPO C/FPO	USMC	APR95 JUN96	VARIOUS	VARIOUS	1925* 711*	YES	N/A N/A	N/A N/A
TOOL SETS, KITS & CHESTS PY96	STS VARIOUS	C/FP	USMC	VARIOUS	VARIOUS	VARIOUS	456*	YES	N/A	N/A
JCSE MODERNIZATION FY95 FY96	VARIOUS VARIOUS	VARIOUS	USMC	VARIOUS	VARIOUS	VARIOUS	188*	YES	N/A N/A	N/A N/A
REMARKS:	* Reflects total co	cost in thous	thousands of dollars	(Many	different i	items are be	are being bought).			
BLI NR.	456700			P-1 ITEM NO.	ISIT DNIGAOHS	PAGE NO.			EXHIBIT P-5A	т Р-5А
			_	33	1	7				



0.0 EXHIBIT P-40 FY 2001 140014 \$ 0.0 POSITION LOCATION REPORTING SYSTEM (PLRS) RCN: FY 2000 0.0 0 FY 1999 DATE 0.0 0 P-1 SHOPPING LIST ITEM NO. PAGE NO. FY 1998 P-1 ITEM NOMENCLATURE: 0.0 0 FY 1997 34 BUDGET ITEM JUSTIFICATION SHEET 0.0 0 FY 1996 0.001 0 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY Ś FY 99 procurement in BLI 464000 APPROPRIATION/BUDGET ACTIVITY: 458800 FY95: \$1K TO KEEP LINE OPEN COST (IN MILLIONS) BLI NR. QUANTITY



0.0 1. The AN/TYQ-23 (V)1, Tactical Air Operations Module, is an electronic tactical data system which, when supported with sensors, power sources, support equipment, and personnel, provides the US Marine Corps with the capabilities of integrated air defense, supplemental enroute traffic control management, and data link to external agencies for real time exchange of tactical air data. 2001 (V)1 TACTICAL AIR OPERATIONS MODULE (TAOM) 140034 0.0 RCN: FY 2000 ŧΩ 3. These upgrades will open up the system architecture, provide an automated air tasking order capability, tactical missile defense, and a battle management facility. The open architecture facilitates 0.0 0 1999 2. This is a collection of efforts and an evolutionary acquisition strategy, encompassing ECPs and incorporation of COTS equipment into the existing TAOC platform. This initiative will upgrade the system to include Joint Tactical Data Links (TADIL-J), Sector Anti-Air Warfare Facility (SAAWF), DATE 닷 0 0.0 operator console units, and the TPS-59 radar interface, representing four major elements. 1998 AN/TYQ-23 P-1 ITEM NOMENCLATURE FΥ 0.0 0 FY 1997 2.4 BUDGET ITEM JUSTIFICATION SHEET 0 1996 Four Tactical Air Operations Modules constitute one system FΥ ₩ 7 0 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY Σ FY-97-FY01 PROCUREMENT IN BLI 464000 Ś APPROPRIATION/BUDGET ACTIVITY: COST (IN MILLIONS) TADIL-J upgrade QUANTITY

PAGE NO. SHOPPING ITEM NO 35

EXHIBIT P-40

D. DATE		QTY		0	EXHIBIT P-5
RER NAME TATE	SYSTEMS	<u> </u>			
C. MANUFACTURER NAME PLANT CITY/STATE	ATA III.S	QTY TOTAL COST	₩	2370	
ULAR NAME OPERATIONS		FY 1996 UNIT COST	2100		
B. WEAPON MODEL/SERIES/POPULAR NAME AN/TYQ-23(V)1 TACTICAL AIR OPERATIONS MODILE (TAOM)	(RCN 140034)	QTY TOTAL COST	1710 50 1272 571 571	3653	P-1 SHOPPING LIST EM NO. PAGE NO.
B. WEAPON MOI AN/TYQ-23(V)		FY 1995 UNIT COST			P-1 SHOP) ITEM NO.
ON/BUDGET	Y 4				
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT. MARINE CORPS	BUDGET ACTIVITY				
	:	IDENT. CODE			459400
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		WEAPON SYSTEM COST ELEMENTS	AN/TYQ-23(V)1 TACTICAL AIR OPERATIONS MODULE PRODUCT IMPROVEMENT PROGRA OCU UPGRADE SECTOR ANTIAIR WARFARE FACILITY (SAAWF) JTIDS INTEGRATION RADAR INTERFACE (TMD) GFE REPAIR Contractor Support Services (PRODUCTION) IMP Training (Factory) Contractor Support Services (PIP) IMP Training (Factory) Contractor Support Services (PIP)	TOTAL COST	BLI NR.

IF YES WHEN AVAIL EXHIBIT P-5A AN/TYQ-23 (V)1 TACTICAL AIR OPERATIONS MODULE (TAOM) NA 
 RCN:
 140034

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 SPEC REV RQRD DATE: YES UNIT COST 2100000 P-1 ITEM NOMENCLATURE: PAGE NO. OTY P-1 SHOPPING LIST DATE OF FIRST DELIVERY ITEM NO. AWARD DATE FEB 96 PROCUREMENT HISTORY & PLANNING CONTRACTED SYSCOM AND CONTRACT
LOCATION AND TYPE
Litton Data SystemsSSFFP
Agoura Hills, CA PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 459400 APPROPRIATION/BUDGET ACTIVITY: BLI NR. LINE ITEM/ FISCAL YEAR OCU Upgrade FY 1996 REMARKS

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PRO		ITEM AND MANUFACTURER CU Upgrade	1													HANUPACTURER'S NAME & LOCATION LITTON DATA SYSTEMS, ACOURA HILLS, CA MCTSSA, Camp Pendiston, CA BLI NR. 459400
		JFACT														STEH
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BUDGET ACTIVITY:		ITEM AND MA OCU Upgrade Litton	.								1					HAN LITTON DATA SYE MCTSSA, CAMD FA MCTSSA, CAMD FA MCTSSA, CAMD
BUDG		TTEM CU U												TOTAL		TTTO
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0.0 FY 2001 140054 0.0 2000 ADVANCED TACTICAL AIR COMMAND CENTRAL FY 0.0 FY 1999 DATE 0.0 0 FY 1998 P-1 ITEM NOMENCLATURE 0. 0 FY 1997 9.1 BUDGET ITEM JUSTIFICATION SHEET FY 1996 0.0 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY: COST (IN MILLIONS QUANTITY

tactical air operations. ATACC provides computer assistance to Marine Corps planners and operators to facilitate coordination of air designed to provide the Aviation Combat Element (ACE) Commander with the capability to plan, coordinate, and direct Marine Air Ground Task Force (MAGTF) battle planning and execution. ATACC provides automated data exchange and processing of tactical information; automated generation of Air Tasking Orders (ATOs) by integrating Contingency Theater Automated Planning System (CTAPS) and computer assistance in naintaining status information. Planners and operators have access to information from a shared database which is automatically control, and communications system updated by messages received from TADIL-A, TADIL-B, NATO Link-1, TADIL-J, and JICS/MTF. The Advanced Tactical Air Command Central (ATACC) is a transportable command, battle planning and execution.

distribution system - the Mobile Enhanced Communications Distribution System (MECDS), upgrades the common hardware, upgrades software to Global Command and Control System (GCCS) mid-term concept of employment (COE), adds TADIL-J integration and Joint Tactical Interface Distribution System (JTIDS) connectivity, and provides improvements in supportability. The program received Milestone Decision Authority MS II approval for Phase II on 14 April 1995. The ATACC will replace the 1960s technology of the Phase I provides the initial capability and uses the existing Subsequent year funding provides for a common voice communications ATACC will maximize use of non-developmental hardware and software items. ATACC hardware is 95 percent NDI or modified NDI. Software is 65 percent NDI. Developed software will be written in Ada as directed by DOD. The MS III decision in March 1994, prototype four shelter per MEF system reconfigured and upgraded to a one shelter per MEF system, plus software fixes required Two additional non-deployable by the operational test, purchase of CTAPS, and a replacement for the current bubble shelter. systems are required for training and software integration. Subsequent year funding provides redefined the program to a three phase evolutionary acquisition. AN/TYQ-1 and AN/TYQ-3A.

ACQUISITION OBJECTIVE (A/O): 6

nd prior: 6 = 100% of Phase I A/O plus initiation of the Phase I improvements
Continuation of Phase I improvements and prior:

APPROVAL FOR SERVICE USE: FY 94 = CODE

FY 97-00 PROCUREMENT IN BLI 463100.

BLI NR. 459700

P-1 SHOPPING LIST ITEM NO. PAGE NO

36 -

EXHIBIT P-40

Nutr Cost   140054	WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS	B. WEAPON MO ADVANCED TACT	B. WEAPON MODEL/SERIES/POPULAR NAME DVANCED TACTICAL AIR COMMAND CENTRA	PULAR NAME	C. MANUFACTURER NAME PLANT CITY/STATE	URER NAME STATE	D. DATE
Name			BUDGET ACTIVITY 4	(ATACC)	RCN: 140054	CENTRAL	Various		
TIGHHENT A 1.754,500 4 7018  1.754,500 4 2100  525,000 4 2100  THAL COST 1.754,500 4 2100  1.754,500 4 2100  1.754,500 4 2100  1.754,500 4 2100  1.754,500 4 2100  1.754,500 4 2100  1.754,500 4 2100	ON SYSTEM ELEMENTS	IDENT. CODE		FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST
t. T. 1. 754, 500 4 7018  T. 1. 754, 500 4 70	REFURBISHMENT	4							
The Cost of the Co	STEM					1,754,500			
The cost Bill NR. 459700 1778 NO. PAGE NO. 1778 NO. PAGE NO. 1778 NO. PAGE NO. 1778 NO. PAGE NO. 1778 NO. PAGE NO. 1778 NO. PAGE NO. 1778 NO. PAGE NO. 1778 NO. PAGE NO. 1778 NO. PAGE NO. 1778 NO. PAGE NO. 1778 NO. PAGE NO. 1778 NO. PAGE NO. 1778 NO. PAGE NO. 1778 NO. PAGE NO. 1778 NO. PAGE NO. 1778 NO. PAGE						2000			
AL COST 0 (2280)  BLI NR. 459700 P-1 SHOPPING LIST ITEM NO. PAGE NO.	ponent						(6838)		
. 459700 P-1 SHOPPING LIST ITEM NO. PAGE NO.	TOTAL COST						(4280)		
	BLI NR.	459700		P-1 SHOPP.	c		9118		EXHIBIT P-5

<u></u>	Υ		03	.1			·	₹ .
			IF YES WHEN	N/A	N/A			T P-5A
		140054	SPEC REV RORD	ON	NO			EXHIBIT P-5A
DATE:	ADT.		SPECS AVAIL NOW		YES			
	MAND CENT	ILITATION CENTE	UNIT	00	525,000 X			
	NCLATURE: ICAL ATR COM	TOUR BIN COL	OTY	4	4			ST PAGE NO.
	P-1 ITEM NOMENCLATURE: ADVANCED TACTICAL AIR COMMAND CENTRAL	TOWN THAT	DATE OF FIRST DELIVERY	DEC 1996	JUN 1996			P-1 SHOPPING LIST 10. PP
PLANNING		4	AWARD DATE		MAR 1996			P-1 S ITEM NO. 36
હ	H		CONTRACTED	RYSCOM	USAF			
PROCUREMENT HISTORY	Y		CONTRACT METHOD AND TYPE		FFP	,		
PR	CTIVITY:		CONTRACTOR AND LOCATION	AF/USA	SUN SAN DIEGO, CA			459700
	APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		LINE ITEM/ FISCAL YEAR	AN/TYQ-51 REFURBISHMEN SHELTER SYSTEM FY 96	CTAPS STATE		remarks:	BLI NR.

### APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: ADVANCE TACTICAL AIR COMMAND CENTRAL (ATACC)

#### SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT:	TOTAL:	NITIAL ISSUE

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I MARINE EXPEDITIONARY FORCE:	II MARINE EXPEDITIONARY FORCE:	III MARINE EXPEDITIONARY FORCE:	SELECTED MARINE CORPS RESERVE:	SUPPORT ESTABLISHMENT:	NORWAY AIR LANDED BRIGADE:	TOTAL:	APPROVED ACQUISITION OBJECTIVE

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	ASSET DYNAMICS	ICS		DATE:	
TAMCN/DODIC:	A00013	ITEM NAME: RCN:	ADVANCED TACTICAL 140054	AIR COMMAND CENTRAL (ATACC)	(ATACC)
	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
GALNS: *FY BUDGET *OTHER TOTAL		2 2	0	0	0
LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER TOTAL		0	0		
NET CHANGE (+/-)		2	0	0	0
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE	4	9	9	9	9
TOTAL \$M VALUE	4 26.0	\$ 32.3	\$ 32.3	\$ 32.3	\$ 32.3
% A/O ON HAND/FUNDED	8 19	100	\$ 100	.* 100 %	100 %
		are being ur hment	FY 1996 RECOMMENDED BUY FY 1997 RECOMMENDED BUY	ED BUY - QUANTITY: VALUE: ED BUY - QUANTITY: VALUE:	× v
BLI NR. 459700		P-1 SHG ITEM NO. 36	SHOPPING LIST PAGE NO.		EXHIBIT P-20A

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APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 4	4 MAF	P-1 ITEM NOMENCLATURE: MARINE TACTICAL COMMANI	CLATURE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 4	4 MAF	RINE TACTICA				
	TOR		MARINE TACTICAL COMMAND AND CONTROL SYSTEM (MTACCS)	CONTROL SYSTEM	(MTACCS)	
		ROLL-UP			RCN:	RCN: 140024
FY 1995 FY 1996		FY 1997	FY 1998	FY 1999	FY 2000	FV 2001
QUANTITY						
COST (IN MILLIONS   \$ 8.0 \$	0.0	\$ 0.0	0.0	\$ 0.0	\$ 0 0 \$	\$

This is a rolled line for the Marine Tactical Command and Control System (MTACCS) consisting of:

- Direct Air Support Central (DASC) Product Improvement Program (PIP)
- Tactical Combat Operations (TCO)

The MTACCS line ends in FY 95, the TCO line begins in FY 96 and the Command Post Systems line starts in FY 97.

BLI NR. 461000

P-1 SHOPPING LIST ITEM NO. PAGE NO.

37

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO:	B. WEAPON MOI	B. WEAPON MODEL/SERIES/POPULAR NAME MARINE TACTICAL COMMAND AND CONTROL	ILAR NAME CONTROL	C. MANUFACTURER NAME PLANT CITY/STATE	RER NAME	D. DATE
		PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4	SYSTEM (MTACCS) RCN: 140025 R	S) ROLL-UP		LOCATION	VARIOUS	
WEAPON SYSTEM COST ELEMENTS	IDENT.		FY 1995 UNIT COST	QTY TOTAL COST	FY 1996	QTY	FY 1997	VIIV monal coem
DASC				10 2,788	1700	100	TOO TIME	100 001
TCO				98 5,245				
								ACCOUNT HOME
INITIAL SPARES				(2062)		(5449)		(3929)
4	2000			8,033		0		0
BLI NK:	461000		P-1 SHOPPING LIST	PING LIST				EXHIBIT P-5
The state of the s			LIEM NO.	AGE NO.				
			3,	7				

0.0 any level of MAGTF/operation. The IDASC PIP is a GCCS migration system, that will utilize both the Marine Corps common hardware automation hardware, as well as the MAGTF C41 software baseline. Improved capabilities include automated interfaces to the Digital Communications Terminal (DCT), Advanced Factical Artillery Tactical Data System (PLRS), Advanced Field Artillery Tactical Data System (AFATDS), and Tactical Combat operations (TCO). NSWC Crane, the Principal Development Agent, is responsible for both the 2001 equipment (the AN/TSQ-155(V) Improved Direct Air Support Central (IDASC) and the OE-334 Antenna Coupler Group) into a lightweight, highly mobile, modular system. This effort will incorporate existing hardware, COTS/modified-COTS and selected automation hardware and software into a single, five shelter, HMMW mounted system (3 Ops and 2 Comm), which will allow for DASC task organization as required to support 146294 The DASC PIP is primarily a non-developmental effort which repackages the capabilities of two systems that comprise the existing DASC MARINE TACTICAL COMMAND AND CONTROL SYSTEM (MTACCS) 0.0 2000 AN/TSQ-155(V)/OE-334 ANTENNA COUPLER GROUP/DASC AUTOMATION FY DASC) 0.0 DIRECT AIR SUPPORT CENTRAL FY 1999 DATE 0.0 PAGE NO. FY 1998 P-1 SHOPPING LIST P-1 ITEM NOMENCLATURE 4 0.0 FY 1997 10 = 50\$16 = 80\$END ITEM ITEM NO 0.0 OCT 93 JUN 97 OCT 95 JUN 97 BUDGET ITEM JUSTIFICATION SHEET C INSTALLATION FY 1996 FY95= CODE A 20 OE-334s BEGIN: BEGIN OE-334s: END: 2.8 10 FY 1995 APPROVAL FOR SERVICE USE: 32 6 = 19810 = 318PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY TSQ-155s: downsizing and the automation efforts. INSTALLING AGENT NSWC CRANE, IN NISE WEST SAN APPROPRIATION/BUDGET ACTIVITY: DIEGO, CA ACQUISITION OBJECTIVE (A/O): 461000 TSQ-155s FY 1994 AND PRIOR: FY 1995 COST (IN MILLIONS) BLI NR. IDASC PIP QUANTITY

BUDGET ITEM JUSTIFICATION SHEET	ON SHEET	name
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	4	MARINE TACTICAL COMMAND AND CONTROL SYSTEM (MTACCS)
MODELS OF SYSTEMS AFFECTED: AN/TSQ-155V IDASC & OE-334 ANTENNA COUPLER GROUP	4 ANTENNA	TANA TANA
MODIFICATION TITLE	FY 1995	FY 1996
DASC PRODUCT IMPROVEMENT PROGRAM	2.788	0
TOTAL	2.788	
BLI NR. 461000		P-1 SHOPPING LIST  ITEM NO. PAGE NO.  37 - C

D. DATE	YTQ	TOTAL COST															EXHIBIT P-5
маме	799.	TEGO TIMO					****										
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION NSWC, CRANE, IN	QTY monat coem	TOTAL COST															
JLAR NAME CONTROL	FY 1996	1600 1100									-				-		
B. WEAPON MODEL/SERIES/POPULAR NAME IARINE TACTICAL COMMAND AND CONTROL KYSTEM (WTACCS) CN 146294 (DASC)	QTY TOTAL COST		257 31 6			69	236	51	82			,				2788	PAGE NO.
B. WEAPON MODEL/SERIES/POPULAR NAMI WARINE TACTICAL COMMAND AND CONTROL SYSTEM (WIACCS) RCN 146294 (DASC)	FY 1995 INIT COST	210,718	185,728										CALCAL CONTROL	<u> </u>			P-1 SHOPPING LIST ITEM NO. PAGE 1
W/BUDGET NO: RINE CORPS 4																	
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4																	
	IDENT.	æ														461000	000
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM COST ELEMENTS	DASC (OPS SHELTER) DOWNSIZING PIP	LMS SHELTERS SHELTER MOUNTING MODS OE-334 (COMM SHELTER) DOWNSIZING PIP	SUB-TOTAL	SUPPORT COSTS:	ILS (PROVISIONING, FMEA,	H/W & ENGINEERING SUPPORT DRAWINGS	TESTS TECH DATA	FACTORY TRAINING S/W ENGINEERING SUPPORT	SUB-TOTAL					HOOF TAROUT	TOTAL COST	**** *****

CONTRACTED AWARD BY DATE OF FIRST BY DATE OF FIRST DELIVERY  NSWC, CRANEMAR 95 JAN 95  NSWC, CRANEAPR 95 FEB 95  downsized shelters, rapid assembly ITEM NO.	I.	PRO APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	PROCUREMENT H	HISTORY &	& PLAN	PLANNING	P-1 ITEM NOI MARINE TACT	P-1 ITEM NOMENCLATURE: MARINE TACTICAL COMMAND	DATE: DAND CONTROL SYSTEM	DATE:	EM (MTACCS)	(cs)
ONTEACTED AWARD DELIVERY OTY COST AND ROED AND NINT STREET IF NOW READ AND NINT STREET	O GOMPA STATE	ll C	mp k umixo				(DASC)			RCN:		
NSWC, CRANEARR 95 JAN 95 4 210718 YES NG NSWC, CRANEARR 95 FEB 95 6 185728 YES NG downsized shelters, rapid assembly tents, cables, and integration rapid assembly tents, cables, and integration and integration rapid assembly tents, cables, and integration rapid assembly tents, cables, and integration rapid assembly tents, cables, and integration rapid assembly tents, cables, and integration rapid assembly tents, cables, and integration rapid assembly tents, cables, and integration rapid assembly tents, cables, and integration rapid assembly tents, cables, and integration rapid assembly tents, cables, and integration rapid assembly tents, cables, and integration rapid assembly tents, cables, and integration rapid assembly tents, cables, and integration rapid assembly rents, cables, and integration rapid assembly rents, cables, and integration rapid assembly rents, cables, and integration rapid assembly rents, cables, and integration rapid assembly rents, cables, and integration rapid assembly rents, cables, and integration rapid assembly rents, cables, and integration rapid assembly rents, cables, and rapid assembly rents, cables, and rapid assembly rents, and rapid assembly rents, and rapid assembly ra		ן אר כ	CONTRACT METHOD AND TYPE	CONTRA( BY	ствр	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT	SPECS AVAIL NOW	SPEC REV RQRD	IF YES WHEN AVAIL
NSWC, CRANEAPR 95 FEB 95 6 185728 YES NG downsized shelters, rapid assembly tents, cables, and integration  PAGE NO.  PAGE NO.	NSWC, CRANE, IN C/F	Ŧ/		NSWC, C	RANEM		JAN 95	7	210718	YES	NO	N/A
downsized shelters, rapid assembly tents, cables, and integration  P-1 SHOPPING LIST  ITEM NO.  PAGE NO.	NSWC, CRANE, IN C/F	/E		NSWC, C	RANEAI			v	185728	YES	NO	N/A
downsized shelters, rapid assembly tents, cables, and integration  P-1 SHOPPING LIST  ITEM NO.  PAGE NO.												
0-1 SHOPPING LIST PAGE NO.	REMARKS: Unit cost includes	15		ownsize	d shel		assembly			egratic		
•	461000				Н	P-1 LTEM NO.		EST PAGE NO.			EXHIB	IТ Р-5А

### INDIVIDUAL MODIFICATION

IMPROVED DIRECT AIR SUPPORT CENTRAL (IDASC) PRODUCT IMPROVEMENT PROGRAM (PIP) MODIFICATION TITLE:

MODELS OF SYSTEMS AFFECTED:

AN/TSQ-155V IMPROVED DASC (IDASC) OE-334 ANTENNA COUPLER GROUP

DESCRIPTION/JUSTIFICATION:

Equipment procured under this effort will be modular and allow the system to be task organized and operated internal or external to the downsized AN/TSQ-155(V) and OE-334 Antenna Coupler Group shelters, or external to the DASC operations shelters. Improved capabilities include automated interfaces to the DCT, ATACC, PLRS, AFATDS, and TCO.

DEVELOPMENTAL STATUS/ MAJOR DEVELOPMENT MILESTONES:

Prototype hardware and software will undergo analysis and modification at Marine Corps Tactical Systems Support Activity and NSWC, Crane IN

FINANCIAL PLAN: (\$ in Millions)

	FY 1995	FY 1996	FY 1997		X 1999	FY 2000	TO COMP	TOTAL	
	QTX S	OTX S	OTX S	OTY S.	QTX S	OTX S	OTX S	VIX.	vai
RDT&E									
PROCUREMENT								C	000.0
Kit Quantity	10							10	
Installation Kits									0.000
Install. Kits Nonrecurring									0.000
Equipment									0.000
Equipment Nonrecurring	2.24	2							2.245
Engineering Change Orders									00000
Data	0.127								0.127
Training Support	0.082								0.082
Support Equipment									0.000
Other	0.334								0.334
Interim Contractor Support									0.00

EXHIBIT P-3A INDIVIDUAL MODIFICATION

E ST
0 0.000 0 0.000
2.788 0.000
ADMIN LEAD-TIME:
FY 1996
FY 1996

EXHIBIT P-3A INDIVIDUAL MODIFICATION

TOTAL

EY 2000

FY 1998

FY 1997

EY 1996

FY 1995

INSTALLING SCHEDULE:

OUTPUT

INPUT

2-8

0.0 FY 2001 144124 Tactical Combat Operations (TCO) will be the Marine Air Ground Task Force (MAGTF) commanders' workstation within the Marine Tactical Command and Control System (MTACCS). TCO will provide senior and subordinate commanders with the automation to receive, fuse, display, and disseminate select information from other component systems of MTACCS. Additional TCO attributes include: automated message management, mission planning, development and dissemination of operations orders and overlays, display of current friendly/enemy situation, display of fire support and maneuver control measures, and interfaces with local and wide area networks. 0.0 RCN: FY 2000 TACTICAL COMBAT OPERATIONS (TCO) 0.0 FY 1999 DATE 0.0 FY 1998 P-1 ITEM NOMENCLATURE: **€** 0.0 FY 1997 0.0 FY96 funding is budgeted in the TCO line (BLI 461300). FY98-01 funding is budgeted in the Command Post Systems line. BUDGET ITEM JUSTIFICATION SHEET 0 FY 1996 S 5.2 86 880 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY = CODE A 11% OF A/O FY 95 TCO ACQUISITION OBJECTIVE (A/O): APPROPRIATION/BUDGET ACTIVITY: APPROVAL FOR SERVICE USE: **=** 86 COST (IN MILLIONS FY95: QUANTITY

461000 BLI NR

P-1 SHOPPING LIST M NO. PAGE NO. ITEM NO.

EXHIBIT P-40

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4	B. WEAPON MC TACTICAL COME (RCN 144124)	B. WEAPON MODEL/SERIES/POPULAR NAME TACTICAL COMBAT OPERATIONS (TCO) (RCN 144124)	ULAR NAME (TCO)	115 22 22	RER NAME TATE rd	D. DATE
WEAPON SYSTEM COST ELEMENTS	IDENT.		FY 1995	QTY monat. coem	FY 1996	QTY	a. FY 1997	QTV
HARDWARE COSTS			*****	7.	TCOS TTMO	TOTUE COST	ONT COST	TOTAL COST
TAC IV Computer	Ą		37600	3685				
TAC IV Expansion Box	4		14750	50 737				
TCIM (Army MODEM)	<u> </u>	23333	8700	53 461				
Transit Cases	æ	100	009	148 89				
SUPPORT COSTS ILS Program Management Travel				111 100 62				
TOTAL COST				5245		0		C
BLI NR.	461000		P-1 SHOP	P-1 SHOPPING LIST				EXHIBIT P-5
			ITEM NO.	PAGE NO.				
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	PR	PROCUREMENT HISTORY	ષ્ટ	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:		- Control of the Cont			P-1 ITEM NO	ITEM NOMENCLATURE:			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
PROCUREMENT, MARINE C	PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		4		TACTICAL COR	TACTICAL COMBAT OPERATIONS (TCO)	CONS (TCO)			
								RCN:	144124	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED	AWARD DATE	DATE OF FIRST DELIVERY	ALO	UNIT	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAII.
TAC IV FY95	Hewlett Packard,	C/FFP	outh	Jun 96	Feb 96	86	00	YES	ON	N/A
TAC IV FY95	Chesapeake, va. Hewlett Packard,	C/FFP	Portsmouth	Jun 95	Feb 96	50	14750	YES	NO	N/A
	SAIC, San Diego, Ca	C/FFP	US Army	Mar 95	Feb 96	53	8700	YES	Ñ	N/A
Transit FY95 Cases	Packaging Strategie Inc., Baltimore, MD	C/FFP	NISE East	Mar 95	Feb 96	148	009	YES	NO NO	N/A
REMARKS :								-     		
BLI NR.	. 461000			P-1 ITEM NO. 37	P-1 SHOPPING LIST	IST PAGE NO.			EXHIB	EXHIBIT P-5A

	אייר התדמיים של אמשד "ם של היה"	MOTH						
	CODE D IIEM DESCRI	LITON			DATE			
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	r ACTIVITY		P-1 ITEM NOMENCLATURE: TACTICAL	NCLATURE: TACTICAL COMBAT OPERATIONS	ERATIONS (TCO)		:	
						RCN:	N: 144124	24
1. CURRENT DEVELOPMENT AND TEST STATUS	ST STATUS				SCHEDULE DATE			
			CURRENT	LAST REPORTED		REASON FOR	DELAY	
	Plan	/Actual	Jun 1995	Jan 1994		CONTINUAL TESTING	TING	
		Plan/Actual		Mar 1994		EVERY SIX MONTHS	NTHS	
c. Operational Test & Evaluation (OT&E) d. Available Date of Technical Data Dackage (TDD		Plan/Actual	Jul 1995	Jun 1994	***************************************			
1		-			****			
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:	OR SERVICE USE:	Se	Sep 1995					
3. EQUIPMENT ITEM(S) TO BE REPLACED:	ACED: None							
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S)	TO BE	REPLACED:	N	N/A				
								anni ann an Culta
								<del></del>
5. DEVELOPMENT CONTRACT INFORMATION	TION (RDT&E	Funding Profile	Profile - \$	in Millions)				
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	ENT		CX (FY1995)	BY (FY1996)	BE	BEYOND BY
					\$ 2.4	\$	\$0.	20.1
					₩.	₩	₩	
					\$	₩	₩.	
					₩.	₩	\$	
Cutamin nimed Ikmom							\$	
TOTAL KUINE FUNDING					\$ 2.4	\$	1.0\$	20.1
NISE East serves as system integr	system integrator with multiple contracts.	racts.						
BLI NR. 461000			→	SHOPPING LIST			<b>a</b>	EXHIBIT P-19
	<del>-</del> 7	<b>H</b>	ITEM NO.	PAGE NO.				
			37 -	7				

## APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: TACTICAL COMBAT OPERATIONS

### SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:	81 99 180
INITIAL ISSUE	
I MARINE EXPEDITIONARY FORCE:	199
II MARINE EXPEDITIONARY FORCE:	203
III MARINE EXPEDITIONARY FORCE:	136
SELECTED MARINE CORPS RESERVE:	122
SUPPORT ESTABLISHMENT:	40
NORWAY AIR LANDED BRIDGADE:	0
MARITIME PREPOSITIONING FORCE:	0
TOTAL:	700
WRMR/MPF OFFSET	(0)
APPROVED ACQUISITION OBJECTIVE	880

		FY 1997	0		0.		0 \$	* 0	* * * * * * * * * * * * * * * * * * *	EXHIBIT P-20A
DATE:	Operations (TCO)	FY 1996	0		0		0 8	* 0	BUY - QUANTITY: VALUE: BUY - QUANTITY: VALUE:	
Z	Tactical Combat Ope 144124	FY 1995	86	0 0 0 0 0	86	0 0	\$ 5.2	11 %	FY 1996 RECOMMENDED FY 1997 RECOMMENDED	SHOPPING LIST PAGE NO.
MICS	ITEM NAME: I	FY 1994	0	0	0		\$	80	<u> </u>	P-1 SHOP ITEM NO. 37
ASSET DYNAMICS	A2534 880	ENDING INVENTORY 30 SEP 1993					0	8 0		
	TAMCN/DODIC: ACQUISITION OBJECTIVE:		GAINS: *FY BUDGET *OTHER TOTAL	LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER	NET CHANGE (+/-)	ASSET POSITION:     *STD SERVICEABLE     *STD UNSERVICEABLE     *SUB SERVICEABLE     *SUB UNSERVICEABLE	TOTAL \$M VALUE	% A/O ON HAND/FUNDED		BLI NR. 461000

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		ITBM AND MANUPACTURBR															MANUPACTURER'S NAMB & LOCATION BWLETT PACKARD, ORANGE PARK, PL.	
BUDGET ACTIVITY.		NUPAC															NRD,	١
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0.0 0 ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM (AFATDS) 2001 140064 ΕŢ 0.0 RCN: 0 FY 2000 ❖ 0.0 0 FY 1999 DATE 0.0 0 1998 P-1 ITEM NOMENCLATURE: FΥ ďΥ 0.0 c FY 1997 11.9 BUDGET ITEM JUSTIFICATION SHEET 210 FY 1996 Ś 5.3 137 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY S APPROPRIATION/BUDGET ACTIVITY: COST (IN MILLIONS QUANTITY

Advanced Field Artillery Tactical Data System (AFATDS) will provide digital fire support Command Control (C2) automation to Marine nodems, printers, displays, electrical power distribution units and integration rack/shelter kits. Initial fielding will include Marine Corps Fire Support Command and Control System, similar to the Army's Initial Fire Support Automation System, to provide an initial capability. The system will work with existing and planned tactical communication equipment. The hardware suite is changing in FY-96 in order to support the system migration to the DoD Common Operating Environment. Air Ground Task Force (MAGTF) Fire Support Coordination Centers, Fire Direction Centers, and Supporting Arms Coordination Centers (Afloat). This line procures the hardware only. A hardware suite will consist of ruggedized general purpose computers, tactical

782 ACQUISITION OBJECTIVE (A/O):

271 = 35% of AO 408 = 52% of AO 618 = 79% of AO FY 1994: FY 1995: FY 1996:

FY-96 = CODE AAPPROVAL FOR SERVICE USE:

782 = 100% of AO

FY 1997-01:

\$55,419 FY-96 UNIT COST: FY-99 PROCUREMENT IN BLI 463100.

461100 BLI NR.

PAGE NO. P-1 SHOPPING LIST ITEM NO.

EXHIBIT P-40

D. DATE		QTY TOTAL COST		0	EXHIBIT P-5
	AGOURA	997 COST			н
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION	5		210 11638 50 75 50 25 0 46 (9035) (2849)	11884	
ULAR NAME		FY 1996 UNIT COST	55,419		
B. WEAPON MODEL/SERIES/POPULAR NAME ADVANCED FIELD ARTILLERY TACTICAL	AFATDS) (RCN 140064)	QTY TOTAL COST	137 4542 112 120 120 148 148 142 (3577) (1727)	5304	P-1 SHOPPING LIST EM NO. PAGE NO. $2$
B. WEAPON MC ADVANCED FIEI	DATA SYSTEM (AFATDS)	FY 1995 UNIT COST	33,151		P-1 SHOPI ITEM NO. 38
ON/BUDGET /NO: ARINE CORPS	K 4		·		
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS	BUDGET ACTIVITY				
		IDENT. CODE	A		461100
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		WEAPON SYSTEM COST ELEMENTS	ADVANCED FIELD ARTILLERY TACTICAL DATA SYSTEM PROGRAM SUPPORT: TAD PROGRAM MANAGMENT ENGINEERING SUPPORT TRAINING MATERIAL INTEGRATED LOG SUPPORT FACTORY TRAINING TOTAL PROGRAM COST Active Component Reserve Component	TOTAL COST	BLI NR.

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	PI	PROCUREMENT H	HISTORY & PLA	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY	ACTIVITY:				P-1 ITEM NO	ITEM NOMENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	CORPS/BUDGET ACTIVIT	¥	4		ADVANCED FI	ADVANCED FIELD ARTILLERY	Y TACTICAL	DATA SYSTEM		(AFATDS)
	a cure a cure								140064	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	OTY	UNIT	SPECS AVAIL NOW	SPEC REV	IF YES WHEN
Advanced Field Artillery Tactical Data System (AFATDS)	ery Tactical Data S	ystem (AFAT	(80						X	
FY95	LITTON/SAIC Agoura Hills, CA	C/FFP	сесом	JAN95	APR95	137	33,151	YES	NO	N/A
FY96	LITTON Agoura Hills, CA	C/FFP	СЕСОМ	MAR96	JUN96	210	55,419	YES	ON	N/A
								,		
								:		
REMARKS: Hardware transition i	transition in FY96 provides pathway to transition fire support applications to	nway to tran	sition fire	support ap	olications t					

Hardware transition in FY96 provides pathway to transition fire support applications to the DoD Common Operating Environment.

461100 BLI NR.

ITEM NO. 38

PAGE NO. P-1 SHOPPING LIST 1

EXHIBIT P-5A

	ASSET DYNAMICS	MICS		DATE:	
TAMCN/DODIC: ACQUISITION OBJECTIVE:	A0011 782	ITEM NAME: RCN:	ADVANCED FIELD 1 140064	ARTILLERY TACTICAL DATA SYSTEM	ATA SYSTEM (AFATDS)
	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
GAINS: *FY BUDGET *OTHER TOTAL		271	137	210	0
LOSSES:     **COMBAT USMC     **COMBAT ALLIES     **PEACETIME     **WASHOUT     **SALES     **OTHER     TOTAL		0	0	0	0
NET CHANGE (+/-)		271	137	210	0
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE		271	408	618	
TOTAL \$M VALUE	0	\$ 271	408	\$ 27.2	\$
% A/O ON HAND/FUNDED	k 0	35 %	52	* 4	* 0
COMMENTS:			FY 1996 RECOMMENDED BUY FY 1997 RECOMMENDED BUY	ED BUY - QUANTITY: VALUE: ED BUY - QUANTITY: VALUE:	\$ 210
BLI NR. 461100		P-1 SHOI ITEM NO. 38	SHOPPING LIST PAGE NO.		EXHIBIT P-20A

CA EA MC 137 TO	BUDGET ACTIVITY: PRO	PROCUREMENT		MARINE CORPS/BUDGET ACTIVITY	ORPS	/BUDG	BUDGET AC	TIVIT		į į	4 P-1 IT		P-1	TEM	EM NOMENCLATURE	CLATO	1	ADVA	NCED	PIEL	D AR	TILLE	RY T	CTIC	AL DA	TA S	RETER	(AP)	ATDS)		4	RCN		140064	Ţ							İ		ľ
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HILLS, CA. DR. NG. [137]  HILLS, CA. DR. NG. [144, 144, 144, 144, 144, 144, 144, 144	AND HANUFACTURER		<b>#</b> >	FY 95			PY 98	PY 99	-	AS OF	OCT	NOV	DEC	NA F	SB MA	R APF	KAY.	N N	JUL	AUG	SEP	OCT.	NOV	)BC J	N.Y	EB EB	RAP	¥ ¥	Y Jun	JOE	AUG	SBP	CCT	NOV	рвс	JAN	PEB	KA KA	APR.	, YA	- <u>2</u>	13	B ng	E A
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Hills, ca.   Ex   No.   Ex   No.   Ex   No.   Ex   No.   Ex   Ex   Ex   Ex   Ex   Ex   Ex   E	N/SAIC (Reserves) a Hills, CA	. á	ຍ	48					0	87															_			1	1		ļ						l			<b> </b>	ļ	-	<del> </del>	<del>                                     </del>
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0.0 FY 2001 144124 0.0 RCN: 2000 FZ Tactical Combat Operations (TCO) 0.0 1999 DATE Fζ 0.0 FY 1998 P-1 ITEM NOMENCLATURE 0.0 0 1997 FY BUDGET ITEM JUSTIFICATION SHEET 10.8 236 FY 1996 0.0 0 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY Ϋ́ APPROPRIATION/BUDGET ACTIVITY: COST (IN MILLIONS QUANTITY

and related capabilities to Marine commanders and their staffs at the battalion level and above. TCO enables Marines to share a common picture of the battlefield throughout the Marine Air Ground Task Force (MAGTF), thereby allowing commanders to make more timely and effective decisions. This system uses the common core software of the Joint Maritime Command Information System and will allow Marines to share their views of the battlespace not only with each other, but their Navy and Coast Guard counterparts overlay, messaging, This program provides digital mapping, This procurement covers the microcomputer needs of the TCO program.

THIS ITEM IS CODE A

TCO ACQUISITION OBJECTIVE (A/O):

= 11% OF A/O = 38% OF A/O = 64% OF A/O = 89% OF A/O = 100% OF A/O 98 334 564 780 880 FY95&PRIOR FY99-01: FY96: FY97: FY98:

The TCO line begins in FY 96, the MTACCS line ends in FY 95, Command Post Systems line starts in FY 97.

FY 97-99 PROCUREMENT IN BLI 463100.

461300 BLI NR

P-1 SHOPPING LIST f NO. PAGE NO. ITEM NO.

EXHIBIT P-40

39

WEAPON SYSTEM COST		A. APPROPRIATION/BUDGET	B. WEAPON MOI	B. WEAPON MODEL/SERIES/POPULAR NAME	ILAR NAME	C. MANUFACTURER NAME	RER NAME	D. DATE
ANALISIS EXHIBIT (P-5)		IO: LINE G	TACTICAL COMBAT OPERATIONS		(TCO)	PLANT CITY/STATE LOCATION	TATE	
		BUDGET ACTIVITY 4		RCN: 144124		Hewlett Packard	rd	
WEAPON SYSTEM COST ELEMENTS	IDENT.		FY 1995	YTQ	FY 1996	QTY	FY 1997	ΩTY
HARDWARE COSTS			1000 1100	TOTAL COST	ONTI COST	TOTAL COST	UNIT COST	TOTAL COST
TAC IV Computer A					37600	236		
TAC IV Expansion Box A					14750	8874		
		***************************************				1003		
TCIM (Army MODEM) A					8418	56		
Transit Cases					618	304		
						188		
SUPPORT COSTS								
ILS						ļ		
Program Management Factory Training/						113		
Travel								
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TOTAL, COST								
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	P	PROCUREMENT HISTORY	28	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NOMENCLATURE:	MENCLATURE:				
PROCUREMENT, MARINE	PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		4		Tactical Com	Tactical Combat Operations (TCO)	ons (TCO)			
									144124	
LINE ITEM/ FTSCAL YEAR	CONTRACTOR AND	CONTRACT METHOD AND TVPE	CONTRACTED	AWARD	DATE OF FIRST	Ě	TINU	SPECS	SPEC REV	IF YES WHEN
TAC-IV FY96	HEWLETT PACKARD CHESAPEAKE, VA.		ОТТН	Dec 95	Apr 96	236	00	YES	ON	N/A
TAC-IV FY96	HEWLETT PACKARD CHESAPEAKE, VA.	C/FFP	PORTSMOUTH NAVAL SHIPYARD	Dec 95	Apr 96	89	14750 YES	YES	NO	N/A
TCIM FY96	SAIC SAN DIEGO, CA	C/FFP	US ARMY CECOM	Oct 95	Apr 96	26	8418	YES	ONI	N/A
Transit FY96 Cases	PACKAGING STRATEGIES, INC. BALTIMORE, MD.	C/FFP	NISE EAST MCSC	Oct 95	Apr 96	304	618	YES	NO	N/A
				·						
REMARKS:										

EXHIBIT P-5A

P-1 SHOPPING LIST
ITEM NO. PAGE NO.
39 - 3

461300

BLI NR.

## APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: TACTICAL COMBAT OPERATIONS

#### SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL: INITIAL ISSUE	81 99 180
I MARINE EXPEDITIONARY FORCE: II MARINE EXPEDITIONARY FORCE: III MARINE EXPEDITIONARY FORCE: SELECTED MARINE CORPS RESERVE: SUPPORT ESTABLISHMENT: NORWAY AIR LANDED BRIDGADE: MARITIME PREPOSITIONING FORCE:	199 203 136 122 40 0
WRMR/MPF OFFSET APPROVED ACQUISITION OBJECTIVE	(0)

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	Operations (TCO) 	FY 1996	236	000000	236	334	334	38 %	BUY - QUANTITY: VALUE: BUY - QUANTITY: VALUE:	
DATE:	Tactical Combat Oper 144124	FY 1995	*86	000000	0	86000	\$ 5.2	11 8	1996 RECOMMENDED	ING LIST PAGE NO.
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	- 11						
	BUDGET ITEM JUSTIFICAT	IFICATION SHEET			DATE		
APPROPRIATION/BUDGET ACTIVITY	·••		P-1 ITEM NOMENCLATURE	WCLATURE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	GET ACTIVITY	4		AN/TPQ-36 FIR	FIREFINDER RADAR UPGRADES		
						RCN: 1	140075
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	0	0	0	0	0
COST (IN MILLIONS)	\$ 0.0	\$ 0.0 \$	30.4	\$ 0.6	\$ 1.5	\$ 0.0 \$	0.0
The AN/TPQ-36 FIREFINDER RADAR is used to locate host are passed to friendly fire support assets to engage 1985. The block upgrades will result in significant improve mobility and transportability, and incorporate the modification program will be a highly mobile a	R RADAR is used to locat fire support assets to e les will result in signif ansportability, and inco gram will be a highly mo		stile indirect fire against friendly forces. Aftesthe enemy. The AN/TPQ-36 was first fielding in reduction in size from five ton trucks to HMMWV ation of new/more capable electronics components. and greatly enhanced locating capability.	t friendly forces. 6 was first fieldi ive ton trucks to electronics compon ting capability.	Ψ	or location, coordinates the Marine Corps in configuration to The results	ν Φ
МОД		INSTALLING AGENT	TNI	INSTALLATION		END ITEM	
AN/TPQ-36 (V)7 (DOWNSIZE TO HMMWV)	MMWV)	DEPOT		BEGIN: APR 98 END: JUN 99		AN/TPQ-36 RADAR	
AN/TPQ-36 (V)8 (ELECTRONIC ENHANCEMENT)	HANCEMENT)	DEPOT		BEGIN: APR 98 END: JUN 99		AN/TPQ-36 RADAR	
MODELS OF SYSTEMS AFFECTED:	AN/TPQ-36 FIREFINDER	FINDER RADAR					
MODIFICATION TITLE:			FY 1995	FY 1996	FY 1997		
AN/TPQ-36 (V)7 (DOWNSIZE TO HEMINV) AN/TPQ-36 (V)8 (ELECTRONIC ENHANCEMENT)	MMWV) HANCEMENT)				8.326 22.054		
TOTAL					30.380		
RI.T MR 468300			THE PT SHOPE	SHODDING LIGH			t Etativa
				PAGE NO.			EAMIBIT F-40
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	PR	PROCUREMENT HISTORY	نه	PLANNING				י מוויעני		
			3	THE THE				DATE		
APPROPRIATION/BUDGET ACTIVITY:	ACTIVITY:		•		P-1 ITEM NO	P-1 ITEM NOMENCLATURE:				
FROCUREMENT, MAKINE CORPS/BUDGET ACTIVITY	OKPS/BUDGET ACTIVIT		4		AN/TPQ-36 F	AN/TPQ-36 FIREFINDER RADAR UPGRADES R	ADAR UPGRAD	N	140075	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED	AWARD	DATE OF FIRST DELIVERY	ОПУ	UNIT	IL	SPEC	IF YES WHEN
AN\TPQ-36 (V)7 (DOWNSIZE) / FY97	Gov Depot*	0-TM (1)	сесом	FEB 97	MAR 98	22	372,727	YES	ON ON	N/A
AN/TPQ-36 (V)8 (Electronics) / FY97	Grumman Aerospace Corporation Bethpage, Long Island,	O 편 편	СЕСОМ	DEC 96	MAR 98	22	995,100	YES	NO	N/A
			***************************************							
REMARKS:										
BLI NR.	468300			P-1 ITEM NO.	SHOPPING LIST	IST PAGE NO.			EXHIBIT P-5A	r P-5A
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	"CODE B" ITEM	ITEM DESCRIPTION			DATE		
APPROPRIATION/BUDGET ACTIVITY:			P-1 ITEM NOME	ITEM NOMENCLATURE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	T ACTIVITY	4			FIREFINDER RADAR UPGRADES	DES	
					- 11	RCN	140075
1. CURRENT DEVELOPMENT AND TES	TEST STATUS				SCHEDULE DATE		
			CURRENT	LAST REPORTED		REASON FOR DI	DELAY
a. Developmental Test & Evaluation (DT&E)	tion (DT&E)	Plan/Actual	JUN 95	30 NDC	THE SOFTWARE	SOFTWARE INTEGRATION TESTING WAS NOT	ESTING WAS NOT
b. Initial Operational Test & Evaluation (IOT&E)	Evaluation (IOT&E)	Plan/Actual	FEB 96	AUG 95	COMPLETED UNTIL DEC	WIL DEC 95.	
c. Operational Test & Evaluation (OT&E)	on (OT&E)	Plan/Actual	FEB 96	AUG 95			
d. Available Date of Technical Data Package (TDP	Data Package (TDP	Plan/Actual	OCT 95	OCT 95			
or Performance Specifications	tions						•
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:	FOR SERVICE USE:	SEPT 96					
3. EQUIPMENT ITEM(S) TO BE REPLACED:	LACED:	is a	modification to	to AN/TPQ-36 FIREFIN	FIREFINDER RADAR		
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO the hostile fire locating capability of the current	OVER EQUIPMENT ITEM(S) 1 capability of the currer	TO BE REPLACED: ent FIREFINDER RADAR	: RADAR.	The AN/TPQ-36 (V	(V)8 Electronics Upgrade	will	greatly enhance
5. DEVELOPMENT CONTRACT INFORMATION	ATION	(RDT&E Funding	Profile -	\$ in Millions)			
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	NENT	THROUGH PY (FY1994	CY (FY1995)	BY (FY1996)	BEYOND BY
Grumman Aerospace	Great River NY	9E-04T/NA	-36	0. \$	0. \$	\$ .1	\$.
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TOTAL RDT&E FUNDING				\$	0	£.	\$ .2
REMARKS:							
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INDIVIDUAL MODIFICATION

AN/TPQ-36 (V)7 UPGRADE (DOWNSIZE TO HMMWV) MODIFICATION TITLE:

MODELS OF SYSTEMS AFFECTED:

AN/TPQ-36 FIREFINDER RADAR UPGRADES

DESCRIPTION/JUSTIFICATION:
This upgrade provides for a downsizing of the current system from five ton trucks to HMMMV's to improve mobility and transportability. The upgrade includes the incorporation of the Modular Azimuth Positioning System (MAPS) which is a self-survey capability that greatly enhances the speed with which the system can be emplaced and reduces the survey support requirements to employ the system.

ADM 4THQTR FY96 DEVELOPMENTAL STATUS/ MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in Millions)

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Install. Kits Nonrecurring

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PROCUREMENT

Equipment Nonrecurring Engineering Change Orders

EXHIBIT P-3A INDIVIDUAL MODIFICATION

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0.126

Interim Contractor Support

Support Equipment

Training Support

	FY 1995 OTX \$	ò	FY 1996 IY \$	EY 1997 OTY S	287 \$	EY 1998 OTX S	à	EY 1999 OTY \$	FY 2000 OTY \$		TO COMP		TOTAL	LI VI
INSTALLATION OF HARDWARE  (FY 1995) Eqpt ( Kits) (FY 1997) Eqpt ( Kits) (FY 1997) Eqpt ( Kits) (FY 1999) Eqpt ( Kits) (FY 1999) Eqpt ( Kits) (FY 2000) Eqpt ( Kits) (TO COMP) Eqpt ( Kits)						7 0.	0.300	15 0.758	8				000020000	0.000 0.000 0.000 0.000 1.058 0.000 0.000
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TOTAL PROCUREMENT COST 0	0.000	0.000	0.000		8.326	0.	0.300	0.758		0.000	0	0.000	6	9.384
METHOD OF IMPLEMENTATION: Depot		ADN	ADMIN LEAD-TIME:	- 1	Æ	MONTHS		Δi	PRODUCTION LEAD-TIME: 13	LEAD-T	IME:		MONTHS	
CONTRACT DATES;	FY	FY 1996		FY	FY 1997	FEB 97	-							
DELIVERY DATES:	FY	FY 1996		FY	FY 1997 MAR 98	MAR 98								
INSTALLING SCHEDULE:	FY 1995	EY 1996	•	EY 1997	4	7	FY 1998		FY 1999	99 4 1	FY 2000	84 4	TOTAL	ু প
INPUT							1 9	12						
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EXHIBIT P-3A INDIVIDUAL MODIFICATION

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### INDIVIDUAL MODIFICATION

MODIFICATION TITLE:

AN/TPQ-36 (V) 8 UPGRADE (ELECTRONICS ENHANCEMENT)

MODELS OF SYSTEMS AFFECTED:

AN/TPQ-36 FIREFINDER RADAR UPGRADES

DESCRIPTION/JUSTIFICATION: This upgrade provides a new RADAR processor and improved software to enhance the RADARS capbilities by increasing its range and location accuracy. These improvements overcome deficiencies identified during Operation DESERT STORM.

DEVELOPMENTAL STATUS/ MAJOR DEVELOPMENT MILESTONES:

ADM 4THQTR FY 96

FINANCIAL PLAN: (\$ in Millions)

PROCUREMENT

	FY 1995		FY 1996	FY 15		FY 19	98	FY 19	55	FY 2	900	20	OMP	2	TOTAL	
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OCUREMENT																
Kit Quantity				22										22		
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Install. Kits Nonrecurring				21	21.892										21.892	
Equipment															0.000	
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Engineering Change Orders															0.000	
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Other						٠									0.000	
Interim Contractor Support															0.000	

EXHIBIT P-3A INDIVIDUAL MODIFICATION

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	(EY 1995) (FY 1996) (FY 1997) (FY 1999) (FY 1999) (FY 1999) (FY 1999) (FY 2000) (TO COMP) (TO COMP)	ATION	CUREME	LEMENT	: SS:	: SS:	нершт		
	(F) (F) (F) (F) (F) (F) (TC	INSTALI	TOTAL PROCUREMENT COST	OF IME	CONTRACT DATES:	RY DATE	INSTALLING SCHEDULE:		
	INSTALLATION OF HARDWARE (FY 1995) Eqpt (FY 1997) Eqpt (FY 1999) Eqpt (FY 1999) Eqpt (FY 1999) Eqpt (FY 2000) Eqpt (TO COMP) Eqpt	TOTAL INSTALLATION COST	70.	METHOD OF IMPLEMENTATION:	CONTRA	DELIVERY DATES:	INSTAL	INPUT	OUTPUT

EXHIBIT P-3A INDIVIDUAL MODIFICATION

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1 < F M M AUG SEP SBP SUG. JUL OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL 255 MAY APR OCT NOV DEC JAN PEB MAR REMARKS: \*\*\*RESERVES LINE IS NON-ADDITIVE JUL AUG SEP 25 MAY JUN ~ ~ 6 ~ 7 DEC JAN FEB MAR APR ~ ~ 7 ~ 7 6 TION SCHEDULE (1850) | P-1 TIER NOMENCLATURE: AN/TEQ-36 FIREFINDER RADAR UPGRADES ~ ACC BAL FISCAL YEAR 97
PRIOR DUB CY, 56
TO AS OF
TO CAT OCT OCT OCT OCT AN PEB HAR APR HAY JUN JUL AUG SEP OCT NOV PRODUCTION RATES
HIN SUST 1-8-5 MAXIMUM 22 13 55 0.7 0 0 0 BUDGET ACTIVITY: PROCUREMENT MARINE CORPS/BUDGET ACTIVITY PY SHEBT 1 PY PY 22 13 22 22 PY OBYHANNA ARHY DBPOT RUMMAN AEROSPACE, BETHPAGE LONG ISLAND, NY MANUFACTURER'S NAME & LOCATION PY Y H/S á ส ă æ ITEM AND MANUFACTURER AN/TPQ-36 (V)7 GOV'T DEPOT AN/TPQ-36 (V) 8 GRUHHAN PY97 an/tpg-36 (v) 8 grumman py97 AN/TPQ-36 (V) 8 AN/TPQ-36 (V) 7 \*\*\*'RESERVES

TOTAL APTER 1 OCT 17 MANU-PACTURING TIMB APTER 1 OCT PRIOR 1 OCT INITIAL RECKLOUS SOURCE
P-1 SHOPPING LIST
ITEM NO. PAGE NO.

3LI NR. 468300

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0.0 0 FY 2001 METEOROLOGICAL SYS AN/TMQ-41, MET MEASURING SET (MMS) 142556 The MMS is designed to provide up to 18 soundings in any 24 hour period. It can be emplaced in 20 min (RDF); 15 min (NAVAID) and displaced in 15 min (RDF); 10 min (NAVAID). A total of 47 systems are being procured by the Army (7 version A; 40 version B) with First Unit Equipped with a version A MMS in March 92. measures atmospheric parameters of temperature, pressure, relative humidity and wind (speed and direction) from the earth's surface to an altitude of 30km. The data is provided to artillery fire direction centers to correct MET effects upon weapons system ballistic trajectories. The system consists of a processor, UHF antenna, a NAVAID antenna, a lightweight radio direction finding (RDF) antenna, a printer, and a power supply unit. The meteorological measuring set (MMS) is a mobile, fully automated, non-radiating artillery meteorological (MET) system that RCN: 0.0 FY 2000 0.0 0 1999 DATE Ϋ́ 0.0 0 PAGE NO. 1998 P-1 ITEM NOMENCLATURE FY P-1 SHOPPING 0.0 0 FY 1997 ITEM NO 41 0.0 BUDGET ITEM JUSTIFICATION SHEET 0 FY 1996 9.4 21 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROVAL FOR SERVICE USE = CODE A ACQUISITION OBJECTIVE (A/O) = 21 APPROPRIATION/BUDGET ACTIVITY: 474400 = 100% OF A/O COST (IN MILLIONS) BLI NR 21 **DUANTITY** FY 1995

D. DATE	QTY TOTAL COST	1500 19101				(511)	вхитвтт р-5
RER NAME TATE	FY 1997	100 1110					
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION ETG RAITTMORE MD	0 17						
PULAR NAME ST (MMS)	FY 1996 UNIT COST	<u> </u>					
B. WEAPON MODEL/SERIES/POPULAR NAME AN/TMQ-41, MET MEASURING SET (MMS) RCN (142556)	QTY TOTAL COST	2	634 384 98		9441 (7459) (1982)	9441	P-1 SHOPPING LIST EM NO. PAGE NO.
B. WEAPON MO AN/TMQ-41, ME	FY 1995 UNIT COST	396413 *					P-1 SHOPP ITEM NO. 41
ON/BUDGET /NO: ARINE CORPS							
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY							
	IDENT. CODE	ď		10			474400
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM COST ELEMENTS	MET measuring Set	Radiosondes ECOs Government Support GFE ILS Support	* UNIT COST IS AVERAGE OF BOTH FY 1995 CONTRACTS	TOTAL PROGRAM COST Active Component Reserve Component	INITIAL SPARES TOTAL COST	BLI NR.

	1d	PROCUREMENT HISTORY	ય્ય	PLANNING				DATE		
APPROPRIATION/BUDGET ACTIVITY	ACTIVITY:				P-1 ITEM NOMENCLATURE	MENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ORPS/BUDGET ACTIVIT		4		METEOROLOGI	METEOROLOGICAL SYS AN/TMQ-41,		MET MEASURING SET		(MMS)
									142556	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED	AWARD DATE	DATE OF FIRST DELIVERY	VIO	UNIT	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAIL
MET MEASURING SET									i i	
FY95	ETG, INC. BALTIMORE, MD	C/FFP	USA CECOM	MAY 95	APR 96	10	348,560	YES	ON	N/A
FY95	ETG, INC. BALTIMORE, MD	C/FFP	USA CECOM	SEP 95	AUG 96	11	439,917	YES	NO	N/A
								·		
REMARKS:	.КS: тата стаст сомитахат вов (10) суствия иля стат		ON 31 MAY GE	C damma i «	באידואד גאימים מזחח ממזויים מס חייה ממחואסים ממחחום ז ג	HILL HALL		111		

THE FIRST CONTRACT FOR (10) SYSTEMS WAS LET ON 31 MAY 95. A LETTER CONTRACT TO PROCURE THE REMAINING (11) SYSTEMS WAS DATED 29 SEP 95. THIS CONTRACT REFLECTED AN INCREASE IN THE NEGOTIATED PRICE.

474400	
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	SHOPPING		
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ITEM NO. 41

AGE NO.

EXHIBIT P-5A

## APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: METEOROLOGICAL MEASURING SET (MMS)

#### SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:	0 5	
<pre>INITIAL ISSUE I MARINE EXPEDITIONARY FORCE:     II MARINE EXPEDITIONARY FORCE:     III MARINE EXPEDITIONARY FORCE:     SELECTED MARINE CORPS RESERVE:     SUPPORT ESTABLISHMENT:</pre>	44650	
NORWAY AIR LANDED BRIGADE: TOTAL: APPROVED ACQUISITION OBJECTIVE	0 16	

	ASSET DYNAMICS		α	DATE:	
TAMCN/DODIC: ACQUISITION OBJECTIVE:	E1031 21	ITEM NAME: A	AN/TMQ-41, MET MEASURING 142556	URING SET (MMS)	
	ENDING INVENTORY	700 P	1000		
GAINS: *FY BUDGET *OTHER TOTAL		3 1 1 1		0 0	FY 1997
LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER		0	0	0	0
NET CHANGE (+/-)		0	21	0	0
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE			21	21	21
TOTAL \$M VALUE	0	0	\$ 9.4	\$ 21	\$ 9.4
% A/O ON HAND/FUNDED	<b>%</b>	ж О	100 %	100 %	3 001
COMMENTS:		Et. Et.	FY 1996 RECOMMENDED BUY FY 1997 RECOMMENDED BUY	BUY - QUANTITY: VALUE: BUY - QUANTITY: VALUE:	\$ \$ \$
BLI NR. 474400		P-1 SHOP ITEM NO.	SHOPPING LIST PAGE NO.		EXHIBIT P-20A

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	T	SEP		†	†	<del>                                     </del>	<del>                                     </del>				<del> </del>		<del>                                     </del>			SBP	Ę π
	1	AUG			1			<u> </u>	<del>                                     </del>	<del>                                     </del>				<b></b>	1	AUG 9	ATE. EXHIBIT P-21
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	ľ	JUN	├	<del>                                     </del>	<del>                                     </del>	<del> </del>		<del>                                     </del>	<del> </del>		<del></del>			<b> </b>	-	JON JO	DAT
l	1	MAY		+-	<del> </del>	<del> </del>	<del>                                     </del>				<del> </del>	├──	<del> </del>	<u> </u>			* (A*) INDICATES SECOND FV95 CONTRACT AWARD DATE. ** RESERVE LINE IS NON-ADDITIVE. EXH.
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4 P-1 ITEM NOMENCLATURE: BAL FISCAL YEAR: 95	ENDAR YEAR	PEB MAR APR														¥ .	Ha + 2
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MARINE CORPS/BUDGET ACTIVITY PROGRAM QUANTITY	L																4
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PROCURBHBINT													$\neg \uparrow$				HANUFACTURER'S NAME & LOCATION
1		ITEM AND MANUFACTURER					1	ĺ		Ì							BACT
BUDGET ACTIVITY.		NUM	HKS)		AN/TMQ-41 (MMS) (RESERVES)** ETG, INC.			Į									DO DO DO DO DO DO DO DO DO DO DO DO DO D
ACT		2 2	41 (1 INC.		(1) (1)	,	l			1			1				
SCE		¥.	AN/THQ-41 (HHS) ETG. INC.		RSB:					1	l	Ì	ŀ	ļ	ا د		HAN ETG. INC., BLI NR. 474400
Ş		T.	LA/7.		AN/1 (F										TOTAL		

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9.0 FY 2001 142576 RCN: 0.5 0 2000 FY INTELLIGENCE SUPPORT EQUIPMENT 11.4 FY 1999 15.3 0 P-1 SHOPPING LIST I NO. PAGE NO. 1998 P-1 ITEM NOMENCLATURE: FY 26.4 \$ 0 FY 1997 ITEM NO. This is a composite line of the intelligence equipment which includes: 42 44.3 \$ BUDGET ITEM JUSTIFICATION SHEET FY 1996 Secondary Imagery Dissemination System (SIDS)
Intelligence Analysis System - (IAS) (MEF)
Tactical Remote Sensor System (TRSS)
Team Portable Communication System (TPCS)
Trojan Spirit II
Intelligence Analysis System (TCAC)
Commanders Tactica Terminal (CTT)
Joint Surveillance Target Attac Radar System JSTARS) 14.4 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY: 474700 COST (IN MILLIONS BLI NR. QUANTITY

D. DATE	QTY TOTAL COST	II .	6969	318		<del> </del>	10982	096				(9869)	26372	EXHIBIT P-5	
RER NAME TATE	FY 1997 UNIT COST														
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION Various	QTY TOTAL COST			678	5814	6819		12436	16417			(2021)	44341		
ULAR NAME ENT (ROLL-UP	FY 1996 UNIT COST									- Part Control and Andrew					
B. WEAPON MODEL/SERIES/POPULAR NAME NTELLIGENCE SUPPORT EQUIPMENT (ROLL (RCN 142576)	QTY TOTAL COST		647	13700	12	56						(8336)	14415	ING LIST PAGE NO.	_
B. WEAPON MOI INTELLIGENCE (RCN 142576)	FY 1995 UNIT COST													P-1 SHOPPING LIST ITEM NO. PAGE N	42
Δ.															
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE COR: BUDGET ACTI															
	IDENT. CODE	щ	ď	æ					ARS)					474700	
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM COST ELEMENTS	Secondary Imagery Dissemination System	Intelligence Analysis System (MEF)	Tactical Remote Sensor Set	Team Portable Communications System	Trojan Spirit	Intelligence Analysis System (TCAC)	Commanders Tactical Terminal (CTT)	Joint Surveillance Target Attack Radar System (JSTARS)			Initial Spares	Total Cost	BLI NR.	

0.0 FY 2001 140726 MANPACK SECONDARY IMAGERY DISSEMINATION SYSTEM 0.0 RCN: 0 2000 FY S 0.0 1999 DATE FY 0.0 0 FY 1998 P-1 ITEM NOMENCLATURE: 7.1 45 FY 1997 2.1 BUDGET ITEM JUSTIFICATION SHEET 10 FY 1996 0.0 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY: COST (IN MILLIONS QUANTITY

Manpack Secondary Imagery Dissemination System provides the MAGTF commander with the capability to collect, store, display, and transmit high priority reconnaissance imagery over organic MAGTF communications assets in near-real-time. This will give the MAGTF commander access to time sensitive reconnaissance imagery. The system will be fielded to ground reconnaissance units within the MAGTF. AO is 86 systems. A system consists of a base station and 3 out stations. Previous submissions accounted for individual components. Consequently, the unit cost of the system is significantly larger than the unit cost of the individual components.

Approval for service use: FY 95 = CODE B

FY 1996: 13 = 15% OF AO FY 1997: 58 = 67% OF AO

P-1 SHOPPING LIST ITEM NO. PAGE NO.

474700

BLI NR.

EXHIBIT P-40

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D. DATE		QTY TOTAL COST	45 6,899	241	m	7143	EXHIBIT P-5	
ER NAME ATE	rochescer,	FY 1997 UNIT COST	0					
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION	naiiis corp., rochescer, NY	QTY TOTAL COST	13 1,950	164	m	2117		
AME		FY 1996 UNIT COST	000,00					
B. WEAPON MODEL/SERIES/POPULAR NAME Manpack Secondary Imagery Dissemination System (RCN 140726)		QTY TOTAL COST					ING LIST	PAGE NO.
B. WEAPON MODEL/SERIES/PW Manpack Secondary Imagery Dissemination System (RCN		FY 1995 UNIT COST					P-1 SHOPPING LIST	TIEM NO.
W/BUDGET NO: RINE CORPS								_
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS RIDGET ACTIVITY A								
		IDENT. CODE	Д				474700	1
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		WEAPON SYSTEM COST ELEMENTS	MANPACK SIDS	FACTORY TRAINING	WARRANTY	TOTAL COST	BLI NR.	

	1		<b>M</b>				<b>7</b> 4
			IF YES WHEN	N/A	N/A	OTEE.	EXHIBIT P-5A
		STEM 140726	SPEC REV	No	o Z	ssful	EXHIB
DATE:		ION SYS	SPECS AVAIL NOW		X es	to successful Resource	
		SECONDARY IMAGERY DISSEMINATION SYSTEM RCN: 1407	UNIT	000	153,300	lded subsequent to Common Computer Res	
	P-1 ITEM NOMENCLATURE:	ONDARY IMAGE	OTY	13	45	be fie sing a	EST PAGE NO.
	P-1 ITEM NO	MANPACK SEC	DATE OF FIRST DELIVERY	Mar 96	Jan 97	units which will dropped due to u	TSIT DNIAGOHS ]
PLANNING		_	AWARD	Feb 96	Dec 96		P-1 ITEM NO.
لاد		4	CONTRACTED BY	Crane IN	Crane, IN	initial produ ies. Overall	
PROCUREMENT HISTORY			CONTRACT METHOD AND TYPE	FFP	FFP	e low rate ons quantit	
	CTIVITY:	RPS/BUDGET ACTIVIT	CONTRACTOR AND LOCATION	Integration of System, Crane, IN.	Integration of System, Crane, IN	FY 96 quantities are low rate initial production be procured as options quantities. Overall cost s Corp. configuration.	474700
	APPROPRIATION/BUDGET ACTIVITY	PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	LINE ITEM/ FISCAL YEAR	FY 96 Manpack SIDS	FY 97 Manpack SIDS	7.0	BLI NR.

APPROPRIATION/BUDGET ACTIVITY:  PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY  1. CURRENT DEVELOPMENT AND TEST STATUS  a. Developmental Test & Evaluation (DT&E)  b. Initial Operational Test & Evaluation (OT&E)  c. Operational Test & Evaluation (OT&E)  d. Available Date of Technical Data Package (TDP)  or Performance Specifications  2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:  3. EQUIPMENT ITEM(S) TO BE REPLACED:	4	P-1 ITEM NOMENCLATURE:	T AMIDE.			
8 1	4		LIMI URE:			
.		¥.	MANPACK SECONDARY IMAGERY DISSEMINATION SYSTEM	AGERY DISSEMIN	ATION SYSTEM RCN:	140726
				SCHEDULE DATE		
		CURRENT	LAST REPORTED		REASON FOR DELAY	LAY
	Plan/Actual					
	IOT&E) Plan/Actual					
.		N/A	N/A			
H H	e (TDP) Plan/Actual					
	USE: MS III Jul 95	NOTE: MS	IIA (LRIP) Sep 94			
	u u					
	·					
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE	EM(S) TO BE REPLACED:		N/A			
5. DEVELOPMENT CONTRACT INFORMATION	(RDT&E Funding Profile	\$	in Millions)			
CONTRACTOR NAME PLANT LOCATION		COMPONENT		CY (FY1995)	BY (FY1996)	BEYOND BY
Crane, IN. Crane, IN.	System			Ş	\$ 0.636	\$ 2.323
				₩		\$
				35		\$
				w w	w w	φ. <del>.</del> .
TOTAL RDIGE FUNDING				0	0.636	\$ 2.323
REMARKS: MANPACK SIDS is a COTS/NDI procurement.	꿆	beyond) RDT&E fu	96 (and beyond) RDT&E funds are for software upgrades.	are upgrades.		
		:				
BLI NR. 474700		P-1 SHOE	SHOPPING LIST			EXHIBIT P-19
		42 -	e in constant			

## APPROVED ACOUIS, TION OBJECTIVE

PROGRAM NAME: MANPACK SIDS

#### SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:	0. 1
INITIAL ISSUE	
I MARINE EXPEDITIONARY FORCE:  II MARINE EXPEDITIONARY FORCE:  III MARINE EXPEDITIONARY FORCE:  SELECTED MARINE CORPS RESERVE:  SUPPORT ESTABLISHMENT:  NORWAY AIR LANDED BRIGADE:  TOTAL:	2 1 1 2
APPROVED ACQUISITION OBJECTIVE	

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	ASSET DYNA	DYNAMICS	DA	DATE:	
TAMCN/DODIC: ACQUISITION OBJECTIVE:	TBD 86	ITEM NAME: RCN:	Manpack Secondary In	Secondary Imagery Dissemination 140726	ion System
	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
GAINS: *FY BUDGET *OTHER TOTAL		0	0	13	45
LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER		0	0	0	0
NET CHANGE (+/-)		0	0	13	45
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE		0	0		28
TOTAL \$M VALUE	0	\$	\$	\$ 2.1	\$ 58
% A/O ON HAND/FUNDED	* 0	8 0	* 0	15 %	8 19
COMMENTS:		FY	/ 1996 RECOMMENDED BUY / 1997 RECOMMENDED BUY	BUY - QUANTITY: VALUE: BUY - QUANTITY: VALUE:	\$ 2.1 M 45 \$ 7.1 M
BLI NR. 474700	·	P-1 SHOP ITEM NO. 42	SHOPPING LIST PAGE NO.		EXHIBIT P-20A

OCT NOV DEC JAN PEB NAR APR NAV JUN JUL AUG SEP OCT NOV DEC JAN PEB NAR APR NAY JUN JUL AUG SEP OCT NOV DEC JAN PEB NAR APR NAY JUN JUL AUG SEP AUG JUL MAR APR MAY JUN DEC JAN FEB AUG SEP OCT NOV MAY JUN JUL TOTAL AFTER 1 OCT PBB MAR APR MANU-FACTURING TIMB MANPACK SECONDARY IMAGERY DISSEMINATION SYSTEM 15 JUL AUG SEP OCT NOV DEC JAN PROCURBHENT LEAD TIME ADMIN LEAD TIME AFTER 1 OCT 15 PRIOR 1 OCT INITIAL
REORDER (Previous Source
P-1 SHOPPING LIST
ITEM NO. PAGE NO.
42 ACC BAL PISCAL YEAR; 96
PRIOR DUB CY: 95
TO AS OF
1 OCT1 OCT OCT NOV DBC JAN PBB HAR APR MAY JUN PRODUCTION RATES REACHED MIN SUST 1-8-5 MAXIMUM D+ 0F 1 å PY SHEBT 1 FY PY 45 ¥ MANUFACTURER'S NAME & LOCATION FΥ ntegration of System, Crane, IN. ស ឌ ៥ > U/H ITEM AND MANUPACTURER Manpack Sids, NSWC, Crane, IN. Manpack Sids, NSWC, Crane, IN. BLI NR. 474700

0.0 141044 0.0 FY 2000 INTELLIGENCE ANALYSIS SYSTEM (MEF) 0.0 0 FY 1999 DATE ŝ 9.4 FY 1998 P-1 ITEM NOMENCLATURE: 7.0 FY 1997 0.0 BUDGET ITEM JUSTIFICATION SHEET 0 FY 1996 9.0 0 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY: COST (IN MILLIONS QUANTITY

allowing him to act on intelligence, rather than react to events. The IAS consists of three subsystems: IAS (Suites), IAS (MEF) and IAS (Workstations). The IAS will utilize the Integrated Database (IDB) developed by DIA, and will utilize commercial and The Intelligence Analysis System (IAS) will provide finished intelligence data to the commander in near-real-time, government developed software. NARRATIVE:

MEF IAS consists of two HMMWV-mounted shelters per system. Each shelter contains a ruggedized file server, communications server, communications server, communications interfaces (modems, crypto) and peripherals (CD ROM, tape drives, hard disk drives, plotter, dot matrix and laser printers). The servers will be connected to six workstations on a Local Area Network (LAN).

MEF IAS

22% OF AO

56% OF AO 0 W 0 AO = 9 FY 93 & PRIOR: FY 1997: FY 1998:

100% OF AO Approval for Service Use:

PAGE NO. P-1 SHOPPING LIST ITEM NO.

474700

BLI

EXHIBIT P-40

PHOGER ACTIVITY 4 RCN: 141044  RCN: 141044  FY 1395 GTY FY 1996  UNIT COST TOTAL COST UNIT COST  UNIT COST TOTAL COST  FY 1996  F	WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO:	B. WEAPON MOI	B. WEAPON MODEL/SERIES/POPULAR NAME	ULAR NAME	C. MANUFACTURER NAME PLANT CITY/STATE	RER NAME	D. DATE
THE TOST   TOTAL COST   TOTAL			VE CORP	INTELLIGENCE /	ANALYSIS SYSTE	M (MEF)	LOCATION		
FY 1995   OTY   FY 1995   OTY   OTX   OT				RCN: 141044			Vitto corp ux	nard, CA	
212.317 2 212.317 2 24.802 2 2		IDENT.		FY 1995	QTY	FY 1996	QTY momit goes	FY 1997	QTY
24, 802 24, 80	1				1000 0001	OMIT COST	TOTAL COST	ONLY COST	
24,802  P-1 SIOPETNG LIEST  TIEM NO. PAGE NO.								212,317	
647  P-1 SIOPENIG LIST  ITEM NO. PAGE NO.								24,802	
647  P-1 SHOPPING LIST TIEM NO. PAGE NO.									150
647									95
647 P-1 SHOPPING LIST ITEM NO. PAGE NO.					647				
647 P-1 SHOPPING LIST TIPM NO. PAGE NO.									
P-1 SHOPPING LIST ITEM NO. PAGE NO.									2,290 1,401 1,205
647 P-1 SHOPPING LIST TIEM NO. PAGE NO.									
E-1 SHOPPING LIST ITEM NO. PAGE NO.									
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P-1 SHOPPING LIST ITEM NO. PAGE NO.					647				6,969
	474700	9		P-1 SHOPE ITEM NO.					EXHIBIT P-

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	P	PROCUREMENT HISTORY	48	PLANNING				טשיישר.		
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APPROPRIATION/BURGET ACTIVITY:  PROCUREMENT: MARINE CORDS/BURGET ACTIVITY	ACTIVITY:	·	•		P-1 ITEM NO					
	ores/Bonder Activit		4		INTELLIGENCE ANALYSIS		SYSTEM (MEF)	RCN:	141044	-
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED	AWARD	DATE OF FIRST DELIVERY	λLO	UNIT		SPEC REV	IF YES WHEN
FY97 Servers Peripherals	Vitro Corp Oxnard, CA	0-0	MCSYSCOM		AUG97	9	212,317			N/A
Workstations	Vitro Corp Oxnard, CA	C-0	MCSYSCOM	APR97	AUG97	24	24,802	YES	NO	N/A
							·			
										<del> </del>
REMARKS:										
BLI NR.	474700			P-1 ITEM NO.	P-1 SHOPPING LIST NO	EST PAGE NO.			EXHIBIT P-5A	T P-5A
				7		<u>,</u>				

	CODE B LIEM I	TIEM DESCRIPTION			DATE			
APPROPRIATION/BUDGET ACTIVITY:			P-1 ITEM NOMENCLATURE	CLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	T ACTIVITY	4	н	INTELLIGENCE ANALYSIS SYSTEM (MEF)	SIS SYSTEM (ME			
ı							RCN: 141044	14
1. CURRENT DEVELOPMENT AND TEST STATUS	ST STATUS				SCHEDULE DATE	ធ		
		1	CURRENT	LAST REPORTED		REASON FOR	R DELAY	
a. Developmental Test & Evaluation (DT&E)	tion (DT&E)	Plan/Actual	Nov 95	Aug 95		RPC-1X Issue	sane	
b. Initial Operational Test & Evaluation (IOT&E)	Evaluation (IOT&E)	Plan/Actual	Feb 96	Feb 96	-			
c. Operational Test & Evaluation (OT&E)	on (OT&E)	Plan/Actual	Apr 96	Apr 96				
d. Available Date of Technical Data Package (TDP	. Data Package (TDP	Plan/Actual	Nov 96	96 NON				
	tions							•
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:	FOR SERVICE USE:	4	NOV 1996					
3. EQUIPMENT ITEM(S) TO BE REPLACED:	LACED:							
This is a new capability.								
4. EXTENT OF IMPROVEMENT OVER E	IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE	O BE REPLACED:	•					
								••••
5. DEVELOPMENT CONTRACT INFORMATION		(RDT&E Funding	Funding Profile - \$	in Millions)				
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	NENT		CY (FY1995)	BY (FY1996)		BEYOND BY
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TOTAL RDTRE FUNDING					\$ 2.9	\$ 6.	1.3\$	6.1
REMARKS:								
BLI NR. 474700			P-1 SHC	SHOPPING LIST			EX	EXHIBIT P-19
		<del>     _</del>	ITEM NO.	PAGE NO.				
			42 -	~				

## APPROVED ACQUISITION OBJECTIVE

IAS (MEF) PROGRAM NAME:

#### SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:

0

INITIAL ISSUE

III MARINE EXPEDITIONARY FORCE: SELECTED MARINE CORPS RESERVE: SUPPORT ESTABLISHMENT: II MARINE EXPEDITIONARY FORCE: I MARINE EXPEDITIONARY FORCE: NORWAY AIR LANDED BRIDGADE: TOTAL:

APPROVED ACQUISITION OBJECTIVE

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TIEM AND MANUFACTURER EP TAS SERVERS/ ERITHERALS ORKSTATIONS  VITRO CORP. OXM	1
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ITEM AND MANUFA HEP IAS SERVERS/ PERIPHENALS MORKSTATIONS  WITHO COS  WITHO COS  WITHO COS  WITHO COS	474700
	BLI NR. 474700

9.0 FY 2001 140156 0.5 0 TACTICAL REMOTE SENSOR EQUIPMENT (TRSS) 2000 FY 3.7 0 FY 1999 DATE €¢} 9.0 0 FY 1998 P-1 ITEM NOMENCLATURE: 0.3 FY 1997 0.7 BUDGET ITEM JUSTIFICATION SHEET FY 1996 ❖ 13.7 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY: COST (IN MILLIONS QUANTITY

Remote sensor equipment detects the presence of physical disturbances caused by movements within a pre-designated area of surveillance. Coded signals are transmitted or stored/relayed to a monitoring station. The monitoring station provides for analysis of the data to determine type, location, direction of travel, speed, number, and size of detected activity. This informati is then forwarded to an intelligence center. The remote sensor equipment includes: hand and air emplaced remote sensors, transmitters, relays, data storage devices, and read-out equipment.

This is a roll-up line of various end-items of a set that provides fully-funded units for a sustained capability to the Sensor Control Management Platoon (SCAMP) of the Marine Expeditionary Force (MEF).

ACQUISITION OBJECTIVE (AO)

TRSS Basic System

H 93 & Prior FY 93 & Prio FY 94 FY 95: FY 96: FY 97:

17 = 65% of AO 22 = 85% of AO 22 = 85% of AO 22 = 85% of AO 26 = 100% of AO

FY 95 = CODE A APPROVAL FOR SERVICE USE:

474700 BLI NR

PAGE NO. SHOPPING LIST P-1 ITEM NO.

42

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4	B. WEAPON MOI Tactical Remot	B. WEAPON MODEL/SERIES/POPULAR NAME Tactical Remote Sensor Equipment RCN 140156	JLAR NAME	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION NAWC-AD, Indianapolis	RER NAME TATE anapolis	D. DATE
WEAPON SYSTEM IDE COST ELEMENTS CO	IDENT. CODE		FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST
Ground Sensor Set A	€			5				
UGSS (Various Sensors) AN/MSC-77 SMMS RE-1162 Relay Assembly AN/USQ-121 RF Monitor				3663 6531 2237 693		363		
Thermal Imagers ILS Nonrecurring Mfg Costs	m			0 576				102
Thermal Imagers Support Cost						315		216
***************************************								
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			,					
Active Cost				(9200)		(678)		(318)
TOTAL COST	_1			13700		(0)		318
BLI NR. 474700	700		P-1 SHOPPING LIST	ING LIST				EXHIBIT P-5
			ITEM NO.	PAGE NO.				
				>				

	PI	PROCUREMENT H	HISTORY & PLA	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:	ACTIVITY:				P-1 ITEM NOMENCLATURE	MENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ORPS/BUDGET ACTIVIT	Į.	4		TACTICAL REMOTE	MOTE SENSOR	SENSOR EQUIPMENT			
								- 1	140156	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	OTY	UNIT	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAIL
Ground Sensor Set										
FY95 Unattended Ground Sensor Set (UGSS)	NAWC-AD Indianapolis	PO/NA	MCSYSCOM	Jul 95	Apr 96	LOT	VARIOUS	YES	ON	N/A
FY95 AN/USQ-121 Portable RF Monitor	NAWC-AD Indianapolis	PO/NA	MCSYSCOM	Мау 95	Feb 96	LOT	VARIOUS	YES	NO NO	N/A
FY95 AN/MSC-77 Sensor Mobile Monitor Systems (SMMS)	NAWC-AD Indianapolis	Po/NA	MCSYSCOM	Jan 96	Jan 97	ហ	1.210M	YES	NO	N/A
REMARKS: *Thermal Imagers are part of a LRIP buy. The FY 1996 Naval Air Weapons Center - Aircraft Division, Indianapolis, IN	Imagers are part of a enter - Aircraft Divis	LRIP buy. sion, Indiar	The FY 1996 napolis, IN	procurement (NAWC-ADI) 1	procurement completes 22 TRSS (NAWC-ADI) is the procurement		systems (less Image agent for the Marine	H	s). Corps.	For

most components, NAWC-ADI orders subassemblies through various C/FFP contracts with industry, then assembles/integrates the

PAGE NO. P-1 SHOPPING LIST ITEM NO. 42 474700 BLI NR.

EXHIBIT P-5A

	"CODE B" ITEM	ITEM DESCRIPTION			DATE		
Apphobotamical former acentifier.		Г					
AFFROERIATION/BOLDSEI ACTIVIII: PROCUREMENT, MARINE CORPS/BUDGEI ACTIVITY	ACTIVITY	4	P-1 ITEM NOMENCLATURE: Tactical	Remote	Sensor Equipment		
					•	RCN:	140156
1. CURRENT DEVELOPMENT AND TEST STATUS	T STATUS				SCHEDULE DATE		
			CURRENT	LAST REPORTED		REASON FOR DELAY	LAY
a. Developmental Test & Evaluation (DT&E)	ion (DT&E)	Plan/Actual	Jan 95				
b. Initial Operational Test & Evaluation (IOT&E)	Waluation (IOT&E)	Plan/Actual	N/A	N/A			
c. Operational Test & Evaluation (OT&E)	n (OT&E)	Plan/Actual	Aug 96	Jul 96	MCOTEA schedu	MCOTEA scheduled commitments	
d. Available Date of Technical Data Package (TDP)	Data Package (TDP)	Plan/Actual					
- 1	lons						
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:	OR SERVICE USE:	Sept 96					
3. EQUIPMENT ITEM(S) TO BE REPLACED:	ACED:						
	N/A						
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE	QUIPMENT ITEM(S) TO	BE REPLACED:					
	N/A						
5. DEVELOPMENT CONTRACT INFORMATION	TION	(RDT&E Funding Profile	\$\$ 1	in Millions)			
CONTRACTOR NAME	PLANT LOCATION	COMPONENT		Through PY (FY1994	CY (FY1995)	BY (FY1996)	BEYOND BY
NAWC-AD, IN	Indianapolis, IN	Thermal Imager		2.2	\$ 0.035	\$ 0.17	\$
					₩		\$
					\$		₩.
					**		\$
CATAMAN DAMAG TAMAM							v
TAL KUI'&E				2.2	0.035	\$ 0.17	٠
REMARKS: OT for TRSS Th	OT for TRSS Thermal Imager; this is		component that	only TRSS component that has not reached MS III	; III yet.		
BLI NR. 474700				SHOPPING LIST			EXHIBIT P-19
	<b>-</b>		ITEM NO.	PAGE NO.			

## APPROVED ACQUISATION OBJECTIVE

TRSS CORE PROGRAM NAME:

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:

マ

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE:

II MARINE EXPEDITIONARY FORCE:

9

9 3 3 0

III MARINE EXPEDITIONARY FORCE:

SELECTED MARINE CORPS RESERVE:

NORWAY AIR LANDED BRIGADE: SUPPORT ESTABLISHMENT:

TOTAL:

APPROVED ACQUISITION OBJECTIVE

**5**6

22

Quantities represent completed TRSS Systems FY 1996 RECOMMENDED BUY FY 1997 RECOMMENDED BUY	HAND/FUNDED 65 8 85 8	ITEM NAME: Tactical Remote S RCN: 140156	ASSET DYNAMICS DATE:
	Quantities represent completed TRSS Systems FY 1996 RECOMMENDED BUY - QUANTITY:  VALUE: \$ 0.7  FY 1997 RECOMMENDED BUY - QUANTITY:  VALUE: \$ 0.3	ES ENDING INVENTORY STREET 1994 FY 1995 FY 1996 FY 1997 ES ENDING ENDING ENDING ES ES ENDING ES ENDING ES ENDING ES ENDING ES ENDING ES ENDING ES ENDING ES ENDING ES ENDING ES ENDING ES ENDING ES ENDING ES ENDING ES ENDING ES ENDING ES ENDING ES ENDING ENDING ES ENDING ES ENDING ES ENDING ES ENDING ENDING ES ENDING ENDING ES	TTEM NAME: Tactical Remote Sensor Equipment (Ground Sensor Set)
HAND/FUNDED 65 8 85 8 85 8 85		ES ENDING  AL MALE  ABLE  ABLE  CEABLE	## ITEM NAME: Tactical Remote Sensor Equipment (Ground Sensor Equipment (Ground Sensor Equipment (Ground Sensor Equipment (Ground Sensor Egripment)  ### ENDING  ###
TOTAL 17 (ALUE) $\frac{17}{69.0}$ \$ $\frac{17}{89.0}$ \$ $\frac{22}{82.7}$ \$ $\frac{22}{82.7}$ \$ $\frac{22}{82.7}$ \$ $\frac{22}{82.7}$ HAND/FUNDED 65 8 65 8 85 8 85 8 85 8	$\frac{17}{69.0} \ \ \$ \frac{17}{69.0} \ \ \$ \frac{22}{82.7} \ \ \$ \frac{22}{82.7} \ \ \$ \frac{22}{82.7} $	BUDGET  BUDGET  TOTAL  BAT USMC  BAT	TTEM NAME: Tactical Remote Sensor Equipment (Ground Sensor Properties)   TTEM NAME: Tactical Remote Sensor Equipment (Ground Sensor Properties)   TTEM NAME: Tactical Remote Sensor Equipment (Ground Sensor Properties)   TTEM NAME: Tactical Remote Sensor Equipment (Ground Sensor Properties)   TTEM NAME: Tactical Remote Sensor Equipment (Ground Sensor Properties)   TTEM NAME: TACTAL   TTEM NAME: TACTAL   TTEM   T
ABLE CEABLE ABLE ABLE CEABLE C	ABLE CEABLE ABLE CEABLE CEABLE CEABLE CEABLE CEABLE CEABLE ST \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	ENDING         FY 1994         FY 1995         FY 1996         FY 1997           BUDGET         30 SEP 1993         FY 1994         FY 1995         FY 1996         FY 1997           ER         TOTAL         0         0         0         0         0           BAT USMC         BAT ALLIES         CETIME <td>  TIEM NAME: Tactical Remote Sensor Equipment (Ground Sensor TION OBJECTIVE: 140156   Tactical Remote Sensor Equipment (Ground Sensor TION OBJECTIVE: 140156   Tactical Remote Sensor Equipment (Ground Sensor TION OBJECTIVE: 140156   Tactical Remote Sensor Equipment (Ground Sensor TION OBJECTIVE: 140156   Tactical Remote Sensor Equipment (Ground Sensor TION OBJECTIVE: 140156   Tactical Remote Sensor Equipment (Ground Sensor TION OBJECTIVE: 140156   Tactical Remote Sensor TION OBJECTIVE: 140156   Tactical Re</td>	TIEM NAME: Tactical Remote Sensor Equipment (Ground Sensor TION OBJECTIVE: 140156   Tactical Remote Sensor Equipment (Ground Sensor TION OBJECTIVE: 140156   Tactical Remote Sensor Equipment (Ground Sensor TION OBJECTIVE: 140156   Tactical Remote Sensor Equipment (Ground Sensor TION OBJECTIVE: 140156   Tactical Remote Sensor Equipment (Ground Sensor TION OBJECTIVE: 140156   Tactical Remote Sensor Equipment (Ground Sensor TION OBJECTIVE: 140156   Tactical Remote Sensor TION OBJECTIVE: 140156   Tactical Re
ABLE CEABLE ABLE CEABLE	ABLE CEABLE	ENDING         FY 1994         FY 1995         FY 1996         FY 1997           BUDGET         0         5         0         0           ER         TOTAL         0         5         0         0	TTEM NAME: Tactical Remote Sensor Equipment (Ground Sensor TION OBJECTIVE: 26   Tactical Remote Sensor Equipment (Ground Sensor TION OBJECTIVE: 140156   Tactical Remote Sensor Equipment (Ground Sensor TION OBJECTIVE: 140156   TACTICAL SENSOR EN
ABLE CEABLE 17 17 22 22 22 22 22 22 22 22 22 22 22 22 22	AL AL AL AL AL AL AL ABLE CEAB	ENDING INVENTORY 30 SEP 1993 FY 1994 FY 1995 FY 1996 FY	TTEM NAME: Tactical Remote Sensor Equipment (Ground Sensor Expression   140156
TOTAL TOTAL	AL		ITEM NAME: Tactical Remote Sensor Equipment (Ground Sensor RCN: 140156

0 0 8RP BRP AUG JUL AUG DEC JAN PEB HAR APR HAY JUN JUL OCT NOV DEC JAN PEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN PEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN PEB MAR APR MAY JUN ş .. ... .. -MOV Ş SRP MANU-PACTURING TINB ГŌ Ę TACTICAL REMOTE SENSOR EQUIPMENT (TRSS) < PROCURBMENT LEAD TIME ADMIN LEAD TIME < < PHC PRODUCTION SCHEBULE (4850)

4 | P-1 ITEM NOHENCIATE
AL PISCAL YEAR: 95
UB CY: 94 | CALENDAR YEAR! PRODUCTION RATES REACHED MIN SUST 1-8-5 MAXIMUM D+ 1,01 Lor ... s ō. Y SHBBT 1 ¥ PY ξ Ę 5 MANUFACTURER'S NAME & LOCATION 0 m a > X x x × E/N á ITEM AND MANUPACTURER UNATTENDED GROUND SENSOR SET (UGSS) NAWC-AD, IN Total AN/USQ-121 AAWC-AD, IN AN/MSC-77 NAWC-AD, IN

PRIOR 1 OCT HUTTIAL RESPONSE SOURCE P-1 SHOPPING LIGHT TTEM NO. PAGE NO. 42

APTER 1 OCT

AFTBR 1 OCT

AN/MSC-77 ONLY

WC-AD, Indianapolis, IN

BLI NR. 474700

BKHIBIT P-21

0.0 FY 2001 145226 RCN: 0.0 0 FY 2000 Team Portable COMINT System (TPCS) 6.7 0 FY 1999 DATE 0.0 0 FY 1998 P-1 ITEM NOMENCLATURE: 0.0 0 FY 1997 5.8 S BUDGET ITEM JUSTIFICATION SHEET FY 1996 .012 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY: COST (IN MILLIONS) QUANTITY

Team Portable Communications Intelligence (COMINT) System (TPCS) is a Semi-automated, man/team transportable signals intelligence system providing intercept, radio direction finding, analysis, reporting and collection management support to the Marine Air Ground Task Force Commander. TPCS is comprised of non-developmental items (NDI) and considered extremely low risk. The first three systems are currently being produced.

The AN/PSQ-9 TPCS will replace the AN/PRD-10 and the AN/GRR-8 as well as add new capability.

11 Acquisition Objective (AO): 3 Systems = 27% OF AO 3 Systems = 27% OF AO 8 Systems = 72% OF AO FY 1994: FY 1995: FY 1996:

APPROVAL FOR SERVICE USE FY 95 = Code A

PAGE NO. P-1 SHOPPING LIST ITEM NO.

474700 BLI NR.

D. DATE	7 QTY								BXHIBIT P-5	
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION	Y FY 1997		1,465	145	313	107	<b>4</b> 08	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		
C. MANUE: PLANT CIT LOCATION	QT TOTAL	1 40	80 35	. v						
ULAR NAME NS STEM (TPCS)	FY 1996 UNIT COST	3,251	18,310	570,093						
B. WEAPON MODEL/SERIES/POPULAR NAME TEAM PORTABLE COMMUNICATIONS INTELLIGENCE (COMINT) SYSTEM (TPCS	QTY TOTAL COST					12		12	9	FAGE NO.
B. WEAPON MODE TEAM PORTABLE INTELLIGENCE	FY 1995 UNIT COST								P-1 SHOPPING LIST	TIPE NO.
ON/BUDGET /NO: ARINE CORPS										
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4										
	IDENT.	ط				• • • •		<u></u>	474700	
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM COST ELEMENTS	Team Portable COMINT System, AN/PSQ-9 WJ-9605 Front Panel Unit	WJ-8654-4 Intercept Receiver TCIM	TOPHUNTER SYSTEM	Factory Training	Travel	Integ Logistic Support	TOTAL COST	BLI NR.	

	P	PROCUREMENT HISTORY	ય	PLANNING				DATE		
APPROPRIATION/BUDGET ACTIVITY	ACTIVITY:				P-1 TTEM NO	P-1 TTEM NOMENCT. ATTRE.				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	CORPS/BUDGET ACTIVITY	×	7		r-r riem No Team Portab	Team Portable COMINT System (TPCS)	/stem (TPCS)	~		
								RCN:	145226	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED	AWARD DATE	DATE OF FIRST DELIVERY	VIO	UNIT	SPECS	SPEC REV	IF YES WHEN
Intercept Receiver	Watkins-Johnson	SS/TDTO	a u	90 x e F	0 2 CM	N				
FY96	Gaithersburg, MD	X i	UCM.	000	mar 9/	08	18,310	Yes	<u>o</u>	N/N
TCIMS FY96	SAIC San Diego, CA	c/ıDıQ	PMCHS Ft Monmouth	May 96	Feb 97	35	4,152	Yes	No	N/A
TOPHUNTER SYSTEM FY96	Harris Corp. Melbourne, FL	C/FPI	NSA	Mar 96	Jun 97	rv	570,093	Yes	N <sub>O</sub>	N/A
WJ-9605 FRONT PANEL UNIT	Watkins-Johnson Gaithersburg, MD	ðigi/ss	NSA	Jan 96	Mar 97	40	3,215	Yes	No	N/A
	·			,						
REMARKS:	DMCW = Drottes Manager		37.01							
	Ş I II II II	` +	signais Warfare (U Warfare Center :Y Agency, Ft. Meade Station, Warrenton,	wariare (US Army) enter Ft. Meade, MD Warrenton, VA						
T II	474700									
. NR. THE				P-1 ITEM NO.	SHOPPING LIST	IST PAGE NO.			EXHIB	EXHIBIT P-5A
		5		42	\(\frac{1}{2}\)	90				

### APPROVED ACQUISATION OBJECTIVE

PROGRAM NAME: TPCS

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:

0

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE:
II MARINE EXPEDITIONARY FORCE:
III MARINE EXPEDITIONARY FORCE:
SELECTED MARINE CORPS RESERVE:
SUPPORT ESTABLISHMENT:
NORWAY AIR LANDED BRIGADE:
TOTAL:

APPROVED ACQUISITION OBJECTIVE

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42-27

	ASSET DYNAMICS	SD:		DATE:	
TAMCN/DODIC: ACQUISITION OBJECTIVE:	A 11	ITEM NAME: T RCN:	Team Portable COMI 145226	COMINT System (TPCS) 26	
	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
GAINS: *FY BUDGET *OTHER TOTAL		3	0	N 0	
LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHEP					
TOTAL		0	0	0	0
NET CHANGE (+/-)		3	0	5	0
ASSET POSITION:  *STD SERVICEABLE  *STD UNSERVICEABLE  *SUB SERVICEABLE  *SUB UNSERVICEABLE		8	3	ω	Φ
TOTAL \$M VALUE	0	\$	\$ 8.7	\$ 14.5	\$
% A/O ON HAND/FUNDED	* 0	27 %	27 %	73 %	73 &
COMMENTS: FY94 PMC PROCURED 32 OF REQUIRED 44 THE TPCS. ACCOUNTS FOR APPARENT SYSTEMS VS. TOTAL COST PER YEAR	DF SCE	SSYSTEMS FOR IN NUMBER OF	FY 1996 RECOMMENDED BUY FY 1997 RECOMMENDED BUY	ID BUY - QUANTITY: VALUE: ID BUY - QUANTITY: VALUE:	\$ & W W W W W W W W W W W W W W W W W W
BLI NR. 474700		P-1 SHOE ITEM NO.	SHOPPING LIST PAGE NO.		EXHIBIT P-20A

DEC JAN PEB HAR APR MAY JUN JUL AUG BEP BBP JUN JUL AUG -DEC JAN PEB MAR APR MAY 8 35 NOX. ¥04 ACC BAL PISCAL YBAR 95
PROOF DUE CY. 94
CALENDAR YBAR APR MAY JUN JUL AUG SEP OCT MOV DEC JAN FEB MAY JUN JUL AUG SEP OCT OCT NOV DEC JAN PEB MAR APR MAY JUN JUL ANG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL ANG SEP OCT TOTAL APTER 1 OCT 20 < HANU-PACTURING TIMB < < PRIOR AFTER 1 OCT 1 OCT < INITIAL PROPER PREVIOUS SOURCE
P-1 SHOPPING LIST
ITEM NO. PAGE NO.
42 TOPHUNTER SYSTEM PRODUCTION RATES REACHED HIN SUST 1-8-5 MAXIMUM D+ 0.0 8 38 0 0 0 BUDGET ACTIVITY: PROCURBHRNT MARINE CORPS/BUDGET ACTIVITY. SHEET 1 ΡŸ PY ΡY 8 35 MANUFACTURER'S NAME & LOCATION PY 2 M K > U/N arris Corp., Melbourne, FL WJ-9605 Front Panel Unit Watkins-Johnson FY96 ITEM AND MANUPACTURER WJ-8654-4 Intercept Receiver Watkins-Johnson RY96 TOPHUNTBR System Harris Corp. FY96 ILI NR. 474700 BAIC TOTALS

0.0 140746 0.0 FY 2000 0.0 FY 1999 DATE TROJAN SPIRIT II 0.0 1998 P-1 ITEM NOMENCLATURE: FY 0.0 FY 1997 6.9 BUDGET ITEM JUSTIFICATION SHEET c FY 1996 0.056\$ FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY COST (IN MILLIONS QUANTITY

with a mobile, high-throughput, secure, dedicated intelligence satellite communications system which will provide direct, near-real-time connectivity to national agencies via the US Army's TROJAN Switching Center at Fort Belvoir, VA. TROJAN SPIRIT II will utilize commercial satellites to exchange bulk data, voice and imagery products between TROJAN SPECIAL PURPOSE INTEGRATED REMOTE INTELLIGENCE TERMINAL (SPIRIT) II will provide the MAGTF commander deployed Marine forces and theater or CONUS-based agencies.

SEM. Shelter (PHS) contains voice and data processing equipment, modulation equipment, RF electronics and an under-the-hood power generator. The Spare Equipment and Maintenance (SEM) vehicle shall provide maintenance facility workspace and a stowage area for communications spare capabilities in support of the TROJAN SPIRIT II. The Power Generation Equipment and Mobile Antenna Platform (MAP) will reside in a single High Mobility Trailer, and will be towed by either the PHS or TROJAN SPIRIT II consists of two HMMW-mounted shelters and a single, towed antenna trailer. The Primary HMMW

Acquisition Objective:

FY 1996:

М Code Approval for Service Use:

PAGE NO. P-1 SHOPPING LIST ITEM NO.

EXHIBIT P-40

WEADON SYS		MOTHAT ADDOCTOR A MOTHER AND A	2 2 2 2 2					
) ፟፟፟፟		ACTIVITY TITLE/NO:		B. WEARON MODEL/SERIES/POPULAR NAME	OLAR NAME	C. MANUFACTURER NAME PLANT CITY/STATE	RER NAME	D. DATE
		PROCUREMENT, MARINE CORPS	S TROJAN SPIRIT II	RIT II		LOCATION		
						Electrospace Systems Richardson, TX	Systems	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE		FY 1995 UNIT COST	QTY TOTAL COST	FY 1996	QTY	FY 1997	QTY
TROJAN SPIRIT II	B				1,271,837	4 5087	ONII COSI	TOTAL COST
Switch Center Equipment				·	40,000	160		
Spares Package					350,000	1400		
ILS						232		
Travel				56				
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	00/#/#		ITEM NO.	P-1 SHOPPING LIST EM NO. PAGE NO.				EXHIBIT P-5
		-	42					
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			IF YES WHEN	N/A		EXHIBIT P-5A
		140746	SPEC	O <sub>N</sub>		ЕХНІЕ
DATE:		RCN:	SPECS	YES		
			UNIT	1,271,837		
	P-1 ITEM NOMENCLATURE:	li II		4		TSI
	P-1 ITEM NO	TROJAN SPIRIT II	DATE OF FIRST	Feb 97		1 SHOPPING LIST
PLANNING			AWARD	Feb 96	SCAMPAT	P-1
HISTORY & PLANNING	II.	4	CONTRACTED	US Army -		
PROCUREMENT			CONTRACT METHOD	C/FFP		
	ACTIVITY:	ORPS/BUDGET ACTIVIT	CONTRACTOR	Electrospace Systems, Inc. Richardson, TX		474700
	APPROPRIATION/BUDGET ACTIVITY:	PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	LINE ITEM/	TROJAN SPIRIT II FY 96	REMARKS:	BLI NR.

EXHIBIT P-19 BEYOND BY 140746 REASON FOR DELAY RCN: BY (FY1996) 0 CY (FY1995) SCHEDULE DATE DATE 1.8\$ 1.8 PAGE NO. Thru PY (FY1994) LAST REPORTED TROJAN SPIRIT II APR 93 FEB 94 JUN 93 NDI P-1 SHOPPING LIST - \$ in Millions) P-1 ITEM NOMENCLATURE: N/A AUG 95 (ARMY MS IIIB, MAY 94) CURRENT FEB 91 APR 93 FEB 94 JUN 93 (RDT&E Funding Profile ITEM NO 42 EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED: "CODE B" ITEM DESCRIPTION Plan/Actual Plan/Actual Plan/Actual Plan/Actual COMPONENT NONE d. Available Date of Technical Data Package (TDP) PLANT LOCATION a. Developmental Test & Evaluation (DT&E) b. Initial Operational Test & Evaluation (IOT&E) Richardson, TX ESTIMATED DATE OF APPROVAL FOR SERVICE USE: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY c. Operational Test & Evaluation (OT&E) 1. CURRENT DEVELOPMENT AND TEST STATUS EQUIPMENT ITEM(S) TO BE REPLACED: or Performance Specifications 5. DEVELOPMENT CONTRACT INFORMATION APPROPRIATION/BUDGET ACTIVITY: 474700 TOTAL RDT&E FUNDING ELECTROSPACE SYSTEMS, INC CONTRACTOR NAME BLI NR. REMARKS:

#### APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: TROJAN SPIRIT II

#### SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:

0

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INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: II MARINE EXPEDITIONARY FORCE:

III MARINE EXPEDITIONARY FORCE: SELECTED MARINE CORPS RESERVE:

SELECTED MAKINE CORPS RESUPPORT ESTABLISHMENT:

NORWAY AIR LANDED BRIDGADE: TOTAL:

APPROVED ACQUISITION OBJECTIVE

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		ITEM NAME:	TROJAN SPIRIT II		
TAMCN/DODIC: ACQUISITION OBJECTIVE:	TBD	RCN:	140746		
, and the	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
*FY BUDGET *OTHER TOTAL		0	0	4	0
LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER TOTAL		0	0	0	
NET CHANGE (+/-)		0	0	7	0
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE			0	7	4
TOTAL \$M VALUE	0	8	0 0	\$	\$ 6.9
% A/O ON HAND/FUNDED	* 0	* 0	<b>*</b>	<b>%</b> L9	\$ L9
COMMENTS:			FY 1996 RECOMMENDED BUY FY 1997 RECOMMENDED BUY	BUY - QUANTITY: VALUE: BUY - QUANTITY: VALUE:	% % W W W W W W W W W W W W W W W W W W
BLI NR. 474700		P-1 SHOP ITEM NO.	SHOPPING LIST PAGE NO.		EXHIBIT P-20A

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NUPACTURER: SISTENS, INC., RICHARDSON, TX	Ciri	┟																匰	با	Щ	
ANUPACTURER: 8 NAME & LOCATION  SISTEMS, INC., RICHARDSON, TX	ET A	E L															SHBH		Ш		
ANUPACTURER: STATEMENT HABINE CORES  T II  CE SYSTEMS, EN HC  T IX  ANUPACTURER: NAME & LOCATION  SISTEMS, INC., RICHARDSON, TY  SISTEMS, INC., RICHARDSON, TY		δ							T										$\  \  \ $		
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ANUPACTURER'S NAME & SYSTEMS, INC., RICHAL	RIN	_[	PY				Ì											roc.	RDSO		
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0.0 FY 2001 141044 0.0 INTELLIGENCE ANALYSIS SYSTEM (MEF) (TCAC) 0 2000 Ĕζ 0.0 0 FY 1999 DATE 0.0 0 FY 1998 P-1 ITEM NOMENCLATURE: 11.0 FY 1997 0.0 BUDGET ITEM JUSTIFICATION SHEET FY 1996 0.0 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY: COST (IN MILLIONS QUANTITY

NARRATIVE: MEF IAS (TCAC) consists of two HMMWV-mounted shelters per system. Each shelter contains a ruggedized file server, communications interfaces (modems, crypto), radios (UHF, VHF, HF, UHF SATCOM), and peripherals (CD ROM, tape drives, hard disk drives, laser and color printers). The shelters will be connected to four workstations on a LAN.

MEF IAS (TCAC) AO = 5 FY 1997: 4 - 80% OF A/O

Approval for Service Use: FY 96 = Code B.

474700 BLI NR.

P-1 SHOPPING LIST M NO. PAGE NO. ITEM NO.

EXHIBIT P-40

WEAPON SYSTEM COST		A. APPROPRIATION/BUDGET	B. WEAPON MOD	B. WEAPON MODEL/SERIES/POPULAR NAME	ULAR NAME	C. MANUFACTURER NAME	RER NAME	D. DATE
ANALYSIS EXHIBIT (P-5)		ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS	INTELLIGENCE ANALYSIS	ANALYSIS SYSTEM	Wil	PLANT CITY/STATE	TATE	
		BUDGET ACTIVITY 4	(MEF) (TCAC)	RCN: 141044	•	Vitro Corp., Oxnard, CA	Oxnard, CA	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE		FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL, COST
MEF IAS (TCAC)							2745	7
ADP Server Set								æ
Workstations							40	480
Computer Peripherals							58	1,600
Support Items (Tent, ECU)			(1) mayor a minasanga Alain				43	232
Software & Licenses							386	172 Lot
Installation/Assembly							750	386
			***					3000
Engineering Support							450	4
ECP Implementation							450	1800
Communications Equipment								1800
								4
								1512
			***************************************			-		
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Odini mana								
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BLI NR.	474700		P-1 SHOPPING LIST	ING LIST				EXHIBIT P-5
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	P	PROCUREMENT HISTORY	- 11	& PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:			II		P-1 ITEM NOMENCLATURE:	MENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	RS/BUDGET ACTIVITY		4		INTELLIGENCE ANALYSIS	E ANALYSIS S	SYSTEM (MEF)	(TCAC)	141044	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	ΔIΛ	UNIT	11	SPEC REV RORD	IF YES WHEN AVAIL
MEF IAS/TCAC  ADP Server Set Workstations Computer Peripherals Support Items (Tent, ECU) Software & License Installation/Assembly Engineering Support ECP Implementation Communications Equipment	Vitro Corp. Oxnard, CA.	CPFF-O	USN NSCC, Long Beach, CA.	Oct 96	Арг 97	4	Various	YES	ON .	N/A
REMARKS:										
BLI NR.	474700			P-1 ITEM NO. 42	SHOPPING L	IST PAGE NO.			EXHIBIT P-5A	r P-5A

	"CODE B" ITEM DESCRIPTION	DESCRIPTION			DATE			
APPROPRIATION/BUDGET ACTIVITY:		Г	P-1 ITEM NOMENCLATURE:	LATURE:				7
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	СТІVІТУ	4		INTELLIGENCE ANALYSIS SYSTEM (MEF)	IS SYSTEM (MEF)	(TCAC)	141044	
1. CURRENT DEVELOPMENT AND TEST STATUS	STATUS				SCHEDULE DATE	·		1
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a. Developmental Test & Evaluation (DT&E)	n (DT&E)	Plan/Actual	FEB 95	710 014	MOD WITH TATIO	THE PARTY OF THE P		
b. Initial Operational Test & Evaluation (IOT&E)	luation (IOT&E)	Plan/Actual	JUL 95	180 95	Zoniii Co	I KOL FROBLEMS W	TIH EQUIPMENT	
c. Operational Test & Evaluation (OT&E)	(OT&E)	Plan/Actual		<b>:</b>				
d. Available Date of Technical Data Package (TDP)	ta Package (TDP)	Plan/Actual						
2 Regitation Dame Of Appropriat for America nor								
1	SEKVICE USE:	JUNE 96						
3. EQUIPMENT ITEM(S) TO BE REPLACED:	<b>:</b>							_
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S)	II	TO BE REPLACED:						η-
5. DEVELOPMENT CONTRACT INFORMATION	NC	(RDT&E Funding	Funding Profile - \$ 1	in Millions)				ı
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	NEINT		CY (FY1995)	BY (FY1996)	BEYOND BY	7
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REMARKS:								
BLI NR. 474700			→	SHOPPING LIST			EXHIBIT P-19	٦.
			42 -	PAGE NO.				

## APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: TCAC

SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:

0

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE:
II MARINE EXPEDITIONARY FORCE:
III MARINE EXPEDITIONARY FORCE:
SELECTED MARINE CORPS RESERVE:
SUPPORT ESTABLISHMENT:
NORWAY AIR LANDED BRIDGADE:
TOTAL:

APPROVED ACQUISITION OBJECTIVE

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TAMCN/DODIC: ACQUISITION OBJECTIVE:		ITEM NAME: RCN:	INTELLIGENCE ANALYSIS 141044	SYSTEMS (MEF)	(TCAC)
	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
GAINS: *FY BUDGET *OTHER TOTAL		0	0	0	4
LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER		0	0	0	0
NET CHANGE (+/-)		0	0	0	7
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE					4
TOTAL \$M VALUE	0	\$	\$	\$	\$
% A/O ON HAND/FUNDED	* 0	8 0	80	* 0	8 08
COMMENTS:		FY	1996 RECOMMENDED BUY	3UY - QUANTITY: VALUE: 3UY - QUANTITY: VALUE:	\$ 0 M 4 4 \$ 11.0M
BLI NR. 474700		P-1 SHOPP ITEM NO. 42 -	SHOPPING LIST PAGE NO 42		EXHIBIT P-20A

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APPROPRIATION/BUDGET ACTIVITY:	TIVITY:			P-1 ITEM NOMENCLATURE:	NCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	PS/BUDGET A	CTIVITY	4			COMMANDERS TACTICAL TERMINAL (CTT)	INAL (CTT)		
							RCN	RCN: 140736	-
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COST (IN MIDDIONS)		0.0	5 12.4	1.0	5.4	3	•	2	9

The CTT comes in two variations, the HYBRID Three-Channel (CTT/H3), AN/USC-55 and the HYBRID Receive Only Three-Channel. These Tactical Intelligence Disseminations Systems receive, decrypt, and process real-time intelligence reports received simultaneously from multiple sources. This will provide near real-time intelligence data to the command, control, and (C21) elements of the Marine Air Ground Task Force (MAGTF). In addition, the CTT/H3 provides full duplex data and handles communications with an anti-jam capability between the guardrail intelligence processing facility and tactical units. The CTT/H3 systems are being procured by the U.S. Army (PM JSTARS) via a contract with E-Systems. The CTT provides the Marine Corps with a multiservice intelligence dissemination interoperability into the next century meeting criteria by the multi-service intelligence dissemination architecture panel.

53 ACQUISITION OBJECTIVE (AO):

FY 97: 26 = 49% OF A/O

P-1 SHOPPING LIST . ITEM NO. PAGE NO.

474700

BLI NR.

EXHIBIT P-40

960 EXHIBIT P-5 096 TOTAL COST QTY E-SYSTEMS, ST. PETERSBURG, UNIT COST FY 1997 C. MANUFACTURER NAME PLANT CITY/STATE LOCATION 9,033 1,500 1,903 12436 TOTAL COST ŞŢ. 347,415 UNIT COST FY 1996 B. WEAPON MODEL/SERIES/POPULAR NAME COMMANDERS TACTICAL TERMINAL TOTAL COST PAGE NO. S<sub>I</sub> P-1 SHOPPING LIST UNIT COST ITEM NO. FY 1995 A. APPROPRIATION/BUDGET
ACTIVITY TITLE/NO:
PROCUREMENT, MARINE CORPS
BUDGET ACTIVITY
4 IDENT. 474700 ф BLI NR. TOTAL COST WEAPON SY. COST ANALYSIS EXHIBIT (P-5) WEAPON SYSTEM COST ELEMENTS COMMANDERS TACTICAL TERMINAL (CTT) ANCILLARY EQUIPMENT MC SHARE OF JOINT PROGRAM OFFICE RECEIVERS

		PROCUREMENT	PROCUREMENT HISTORY & PLANNING	LANNING				0000		
APPROPRIATION/BUDGET ACTIVITY:	ACTIVITY:				P-1 ITEM NOMENCLATURE:	MENCLATURE:		DATE:		
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	RPS/BUDGET ACTIVIT	<b>&gt;</b>	4		COMMANDERS	COMMANDERS TACTICAL TERMINAL (CTT)	MINAL (CTT)			
	CONTRACTOR	CONTRACT			DAME OF				140/36	
LINE ITEM/ FISCAL YEAR	AND	METHOD	CONTRACTED	AWARD	FIRST		UNIT	SPECS	SPEC	IF YES
RS.	E-SYSTEMS,	FFP	U.S. ARMY	MAR 96	DELIVERY MAR 97	YTQ 26	11	Ŋ.	RORD	AVAIL
(CTT)	ST. PETERSBURG, FL.				NAM Y	0 7	24, 741 215	S B B		<b>4</b> /V
REMARKS:										
BLI NR.	474700			P-1 ITEM NO.	SHOPPING LIST	ST PAGE NO.			EXHIB	EXHIBIT P-5A

	"CODE B" ITEM DESCRIPTION	DESCRIPTION			DATE		
APPROPRIATION/BUDGET ACTIVITY:		II -	P-1 ITEM NOMENCLATURE:	SLATURE:	COMMANDERS TAC	COMMANDERS TACTICAL TERMINAL.	( (ربلعل )
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	CTIVITY	4					(***)
- 11						RCN:	140736
1. CURRENT DEVELOPMENT AND TEST STATUS	STATUS			Š	SCHEDULE DATE		
			CURRENT	LAST REPORTED		REASON FOR DELAY	LAY
transfer to the state of the st					USMC OTEE NO	OTEE NO LONGER PLANNED:	
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d. Available Date of Technical Data Package (TDP)	OP)	Plan/Actual					
or Performance Specifications							
2. ESTIMATED DATE OF APPROVAL FOR		WILL USE ARMY	MS III/APR 96				
3. EQUIPMENT ITEM(S) TO BE REPLACED:		NONE					
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S)		TO BE REPLACED:		N/A			
5. DEVELOPMENT CONTRACT INFORMATION		(RDT&E Funding	Tunding Profile - \$ 1	in Millions)			
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PROCUREMENT DECISION SIGNED ON 29FEB96.	EB96.						
BLI NR. 474700			P-1	SHOPPING LIST			EXHIBIT P-19
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### APPROVED ACQUISITION OBJECTIVE

# PROGRAM NAME: COMMANDER'S TACTICAL TERMINAL (CTT)

#### SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT:	DEPOT MAINTENANCE FLOAT:	TOTAL:
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#### INITIAL ISSUE

#### APPROVED ACQUISITION OBJECTIVE

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		ITEM NAME:	COMMANDERS TACTICAL	ICAL TERMINAL (CTT)	
TAMCN/DODIC: ACQUISITION OBJECTIVE: 5	TBD 53	RCN:	104736		
GAINS:	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
*FY BUDGET *OTHER TOTAL		0	0	0	26
LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER TOTAL		0	0	0	0
ASSET DYNAMICS		0	0	0	26
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE					
TOTAL \$M VALUE	0	0	0   \$	\$	\$ 9.0
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MAN N	3_	, PY 97				<u> </u>								26					
MP8,	<u> </u>	PY 96			<b></b>											8			
ŭ,	L	PY 95		$oxed{oxed}$												CATIC	킖	$\  \ $	
EL	L															1 3	2	$\prod$	1
Į,		α >	MC				I	I				]				MANUFACTURER'S NAME & LOCATION	RSBU	$\  \ $	
REMB		U/H	á														EBUEB.	$\  \ $	
noc n		es Si														RBR	B-8YSTEMS, BCI DIV., ST PETERSBURG, PL.	$\  \ $	1
ā		ITEM AND MANUFACTURER														ACTU	;		Ī
ITY:		TUPAC	CTT/H3, B-SYSTEMS													NNOP	ă	$\  \ $	٥
BUDGET ACTIVITY: PROCUREMENT MARINE CORPS/BUDGET ACTIVITY:		3	-875				l		ļ							*	×	$\  \ $	BLI NR. 474700
L.		NA	Э,			ļ	Ì		ĺ							l	IBHS	$\ \cdot\ $	الإ
BUDG		HE	TT/H.					ł					- 1			1	BYS	$\  \ $	ž
$\mathbf{r}$			ŭ									<u>_</u>	i			<u></u>	é	ட	菌

FY 2001 RCN: 148239 JOINT SURVEILLANCE TARGET ATTACK RADAR SYSTEM (JSTARS) FY 2000 FY 1999 DATE 0.0 FY 1998 P-1 ITEM NOMENCLATURE: 0.0 FY 1997 16.4 BUDGET ITEM JUSTIFICATION SHEET 0 FY 1996 FY 1995 APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY QUANTITY COST (IN MILLIONS)

The Joint Surveillance Target Attack Radar System (JSTARS) provides near real time targeting data in the form of moving target indicator and synthetic aperture radar (SAR) imagery. JSTARS Common Ground Station (CGS) provides JSTARS imagery reception, processing and connectivity to other CGSs, UAV systems, TACFIRE, AFATDS, Army all Source Analysis System (ASAS) and Trojan Spirit, and ensures MAGTF connectivity and commonality with USA and USAF.

Total AO is to be determined. At a minimum, two JSTARS CGSs will be procured and fielded in accordance with Congress' direction (see report 104-261).

BLI NR.

P-1 SHOPPING LIST ITEM NO. 42

PAGE NO.

EXHIBIT P-40

D. DATE			QTY TOTAL, COST							EXHIBIT P-5	
RER NAME TATE		2	FY 1997								
C. MANUFACTURER NAME PLANF CITY/STATE	LOCATION	Scottsdale, AZ	QTY TOTAL COST	2 14,500	1,917					16,417	
JLAR NAME			FY 1996 UNIT COST	7,250							
B. WEAPON MODEL/SERIES/POPULAR NAME	JSTARS		QTY TOTAL COST							ING LIST	PAGE NO.
B. WEAPON MOI		RCN: 148239	FY 1995 UNIT COST							P-1 SHOPPING LIST	ITEM NO.
15	RINE CORPS										
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO:	PROCUREMENT, MARINE BUDGET ACTIVITY										
			IDENT. CODE							474700	
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)			WEAPON SYSTEM COST ELEMENTS	JSTARS CGSs	CGS System Support				TOTAL, COST	BLI NR.	

IF YES WHEN AVAIL EXHIBIT P-5A N/A SPEC REV RQRD 148239 õ JSTARS RCN: SPECS AVAIL NOW DATE: 7,250 Yes UNIT P-1 ITEM NOMENCLATURE: ~ PAGE NO. QTY P-1 SHOPPING LIST DATE OF FIRST DELIVERY June 98 ITEM NO. AWARD DATE May 96 PROCUREMENT HISTORY & PLANNING 42 CONTRACTED BY PM JSTARS Fort Monmouth NJ CONTRACT METHOD AND TYPE FFP APPROPRIATION/BUDGET ACTIVITY:
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY CONTRACTOR AND LOCATION Motorola, Scottsdale, AZ 474700 BLI NR. LINE ITEM/ FISCAL YEAR JSTARS 96 REMARKS:

	"CODE B" ITEM DESCRIPTION	1 DESCRIPTION			DATE		
APPROPRIATION/BUDGET ACTIVITY:		11	D-1 TTEM NOMENCY, ATTIDE.	1.amilbe:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ACTIVITY	4		THE OVE	JSTARS	·NUX	148239
1. CURRENT DEVELOPMENT AND TEST STATUS	STATUS			S	SCHEDULE DATE		
			CIRRENT	T.A S.T. DEDODUED		DEACON GOD DEAN	**
		-				TO VOT NOTHING	
a. Developmental Test & Evaluation (DT&E)	on (DT&E)	Plan/Actual		N/N			
b. Initial Operational Test & Evaluation (IOT&E)	raluation (IOT&E)	Plan/Actual		( × ×			
	(OT&E)	Plan/Actual	N/A	4/X	User evaluati	User evaluations ongoing, including	cluding
d. Available Date of Technical Data Package (TDP)	ata Package (TDP)	Plan/Actual	Apr. 96	N/A	deployment to the Balkins	the Balkins.	
or Periormance Specifications	ons	- 11	- 11				
		MS II LRIP MAR	<b>GAR 95</b>				
3. Equipment item(s) to be replaced:		NONE					
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED:	UIPMENT ITEM(S) TO	BE REPLACED:		N/A			
5. DEVELOPMENT CONTRACT INFORMATION	NOI	(RDT&E Funding	Funding Profile - \$ 1	in Millions)			
CONTRACTOR NAME	PLANT LOCATION	COMPONENT			CY (FY-1)	BY (FY0)	BEYOND BY
MOTOROLA	SCOTTSDALE, AZ.		CGS				
					\$	\$	·S.
					\$		\$
					w v	w.v	es e
TOTAL RDI&E FUNDING					2		4
REMARKS:							
JSTARS is a new capability for the Marine Corps.		Some RTD&E will be required.	be required.				
BLI NR. 474700				P-1 SHOPPING LIST			EXHIBIT P-19
			ITEM NO.	SPAGE NO.			

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EXHIBIT P-20A 100% 16.4 M 0 16.4 FY 1997 ₩ 100% FY 1996 RECOMMENDED BUY-QUANTITY: FY 1997 RECOMMENDED BUY - QUANTITY: VALUE: VALUE: 16.4 FY 1996 DATE: 0.0 0 148239 8 FY 1995 P-1 SHOPPING LIST ITEM NAME: JSTARS 0.0 0 RCN: FY 1994 ITEM NO. ASSET DYNAMICS 0.0 30 SEP 1993 INVENTORY ENDING ACQUISITION OBJECTIVE: \*STD UNSERVICEABLE \*SUB UNSERVICEABLE 474700 % A/O ON HAND/FUNDED \*STD SERVICEABLE \*SUB SERVICEABLE \*COMBAT ALLIES TOTAL TOTAL \$M VALUE NET CHANGE (+/-) \*COMBAT USMC ASSET POSITION: TOTAL \*FY BUDGET \* PEACETIME TAMCN/DODIC: \*WASHOUT BLI NR. \*SALES \*OTHER \*OTHER COMMENTS: LOSSES: GAINS:

BUDGET ACTIVITY: PROCU	RBNENT	HARIN	NB CO	RPS/B	BUDGB	T ACT	1014		H		H	E	CKET	OMBN	CLATO	IRB.		JSTARS	88					1			RCN.	F	133	RCN: 148239	1			T										
			<b>1</b>		NAN O	ZI Z	Ť	ACC	18	PISC	77.	A.	ž					ا	$\ $	H	PISCAL YBAR, 97	Y. Y.B.		93							Н	I	TVOS	XBAR			PISCAL YBAR, 98		$\ $			П	4	_
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JSTARS, CGS MOTOROLA, SCOTTEDALB, AZ	<u>.</u>	, KC	1	,				۰	7		1	1	├	-	ऻ	<				<del>                                     </del>		+		-							ļ						1	1	-	<del> </del>	ļ	<b></b>	~ 。	
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MANUFACTURER'S NAME & LOCATION	S KAH	8 10	CATI	- N			N N	PRODUCTION RATES HIN SUST 1-8-5 MAXIMUM	1-8		BE SEE	TE S	REACHED D+	ا و	Щ					PROCURENBAT LEAD TIME	DHIN	TER	TIH			Ш,		1		RBM	REMARKS:											1	_	
Motorola, Scottsdale, AZ.			$\ \ \ $	$\ \ $	$\ \ $	Ш		$\sqcap$		$\parallel$		╫	$\parallel \parallel$	11						$\dashv$	PRIOR 1 OCT	${}^{-}$	APTER 1 OCT		FACTURING TIMB	RING	2 -	APTER 1 OCT																
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BLI NR. 474700														•	TTE	P-1 SHOPPING LIST ITEN NO. PAGE NO.	NI do	PAGE NO.	F & C																1	! !				ä	вхилвіт Р-21	P-21	1.	
															İ				l																									

	H	BUDGET ITEM JUSTIFICATION		SHEET			DATE		
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	SET ACTIVITY: VE CORPS/BUDGET	, ACTIVITY	7	<u>α</u>	P-1 ITEM NOMENCLATURE MODIFIC	NCLATURE: MODIFICATION KITS	KITS (INTEL)		
		FY 1995	FV 1996	96	FV 1007	EV 1000	1000	KCN:	. II
QUANTITY		0		0		1			FY ZOUL
COST (IN MILLIONS		\$ 0.1	\$	\$ 6.0	12.0 \$	14.	$\top$	_	\$ 20.4
Modifications programmed deficiencies noted after items previously fielded.	yrammed and bud lafter new ite Elelded.	and budgeted under this line new items are fielded, or to		are for the purpose increase operational	μος.	of correcting equipm capabilities of end	equipment of end	ą.	
The funding profile supports modifications to the foll	le supports mod	lifications to the	following for	owing intelligence	igence systems:	ıs:			
Intelligence Mobile Electr	Intelligence Analysis System MOD Mobile Electronic Warfare Support	um MOD Hupport System (AN/MLQ-	36)	PIP					
All items are code A	A.								
МОД	INSTALLING AGENT	SENT	INSTALLATION	TION		END ITEM			
IAS MOD MEMORY DATA STORAGE	FIELD/NSWC, CRANE, IN	CRANE, IN	BEGIN: END: BEGIN: END: BEGIN: END:	OCT 95 DEC 95 OCT 96 DEC 96 OCT 97		IAS MOD			
MEWSS-PIP	UNKNOWN		BEGIN: END:	JUL 98 JUL 01		AN/MLQ-36			
BLI NR.	474900				P-1 SHOPPING				EXHIBIT P-40
		·			1TEM NO. 43 -	PAGE NO.			-

BUDGET ITEM JUSTIFICATION SHEET	N SHEET		DATE	
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE:		
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	4	MC	MODIFICATION KITS (INTEL)	RCN: 148239
MODELS OF SYSTEMS AFFECTED: INTELLIGENCE EQUIPMENT		(\$ IN WITTIONS)		
MODIFICATION TITLE	FY 1995	FY 1996	FY 1997	
INTELLIGENCE ANYALYSIS SYSTEMS MOD	0.120	0.924	0.817	
AN/MIQ 36 (A) MEWSS			11.138	
TOTAL	0.120	0.924		
BLI NR. 4/4500		P-1 SHOPPING LIST ITEM NO. PAGE NO. 2	G LIST PAGE NO.	EXHIBIT P-40

WEAPON SYSTEM IDENT.  COST ELEMENTS CODE  INTELLIGENCE A  ANALYSIS SYSTEM  MOD	BUDGET ACTIVITY 4	MODIFICATION KITS (INTEL) (RCN 148239)		LOCATION		
STEM		FY 1995 QTY UNIT COST TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST UN	FY 1997 UNIT COST	QTY TOTAL COST
		LOT 120		LOT 924		LOT 817
AN/MLQ 36 (A) (MEWSS) A						2 11,138
	······································					
Initial Spares	10 to 10 to	(229)		(731)		(992)
		120		924		11,955
BLI NR. 474900		P-1 SHOPPING LIST ITEM NO. PAGE NO. 43				EXHIBIT P-5

	PR	PROCUREMENT H	HISTORY & PLA	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY	ACTIVITY:				P-1 ITEM NO	MENCLATURE:	ITEM NOMENCLATURE: MODIFICATION KITS	N KITS	(INTEL)	
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ORPS/BUDGET ACTIVIT	S-4	4							
	TOWN THE TOWN							i	148239	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAIL
IAS MOD										
FY 95	CISCI RALEIGH, NC	OPTION	MCSC/NWSC MCTSSA	JUL95	SEP 95	LOT	120*	YES	NO	N/A
FY 96	HEWLETT PACKARD CA	OPTION	MCSC/NWSC MCTSSA	MAR 96	3EP 96	LOT	924*	YES	NO	N/A
FY 97	UNKNOMN	UNKNOMN	MCSC/NWSC MCTSSA	JAN 97	MAR 97	LOT	817*	YES	NO	N/A
MEWSS AN/MLQ 36 (A)										
FY 97	UNKNOMN	FFP/ COSTED OPT	PMSW VINT HILL FARM	JAN 97	30 JUL	7	5569	YES	ON	N/A
REMARKS:	* ALL UNIT COSTS ARE TOTAL COST	E TOTAL COS	i.							
BLI NR.	474900			P-1 ITEM NO.	SHOPPING LIST	ST PAGE NO.			EXHIBIT	T P-5A

	"CODE B" ITEM DESCRIPTION	DESCRIPTION			DATE		
APPROPRIATION/BUDGET ACTIVITY:			P-1 ITEM NOMENCLATURE:	CLATURE:	MOD KITS INTER	31.	
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	T ACTIVITY	BA-4	A	ALL MOBILE ELECTRO		SUPPORT SYSTEM (AN/MIO	MT.0 3.61
1. CURRENT DEVELOPMENT AND TEST STATUS	ST STATUS				SCHEDULE DATE		
			CURRENT	LAST REPORTED		REASON FOR DELAY	AX
·							
a. Developmental Test & Evaluation (DT&E)	tion (DT&E)	Plan/Actual	SEP 1995	N/A			
b. Initial Operational Test & Evaluation (IOT&E)	Evaluation (IOT&E)	Plan/Actual	JUN 1996	N/A			
c. Operational Test & Evaluation (OT&E)	on (OT&E)	Plan/Actual	JUN 1997	N/A			
d. Available Date of Technical Data Package (TDP	Data Package (TDP	Plan/Actual	AUG 1996				
or Performance Specifications	tions						
2. ESTIMATED DATE OF APPROVAL FOR SERVICE	FOR SERVICE USE:						
3. EQUIPMENT ITEM(S) TO BE REPLACED:	LACED:						
AN/ULQ-19 AN/GRC-213							
AN/PRD-10							
WJ-8618B							
RT-524A							
RT-246							
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S)	equipment item(s) t	TO BE REPLACED:					
	NALS INTELLIGENCE A	ND ELECTRONIC	: ATTACK IS LIN	IITED TO VHF FREQU	ENCY SPECTRUM P	AND CAN TARGET ON	NLY SINGLE
CARANNEL SIGNALS: THE MEMSS FIF WILL INTERCEFT, DEMODDLATE, LOCA IS NO OTHER SYSTEM WITH THE USMC THAT WILL MEET THIS REQUIREMENT	THE MEWSS FIF WILL INTERCEFT, DEMODULATE, LOCATE AND JAM MODERN TACTICAL COMMUNICATIONS (FREQ HOPPER RADIO). IM WITH THE USMC THAT WILL MEET THIS REQUIREMENT.	MODULATE, LOC IS RECUIREMEN	T.	DERN TACTICAL CON	MUNICATIONS (FF	REQ HOPPER RADIO)	). THERE
The second of seconds and seconds		4					
S. DEVELOPMENT CONTRACT INFORMATION		(RDT&E Fundin	Funding Profile - \$	in Millions)			
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	NENT		CX (FY1995)	BY (FY1996)	BEYOND BY
ELECTROSPACE INC. (ESI)	RICHARDSON, TX	SYSTEM INTEGRATION	ATION		\$ 7.8	\$ 0 \$	25.4
					ŧo.	- V	
TOTAL RDT&E FUNDING					\$ 7.8	0	25.4
REMARKS: THE MEWSS PIP	THE MEWSS PIP IS FULLY FUNDED.	APPROXIMATELY	80% RDT&E	IS PROVIDED BY NSA DEFENSE CRYPTOLOGIC FUNDS	EFENSE CRYPTOLC		
BLI NR. 474900	<del>- T</del>		P-1 SHO	SHOPPING LIST			EXHIBIT P-19
			ITEM NO	PAGE NO.			
		رئي	-				

### INDIVIDUAL MODIFICATION

MODIFICATION TITLE:

Intelligence Analysis System (IAS)

MODELS OF SYSTEMS AFFECTED:

IAS MODIFICATION

DESCRIPTION/JUSTIFICATION:

intelligence information from sensors, signals and communications intelligence, and human sources, and provides this intelligence to the commander and his staff. The IAS is required to interface with a number The IAS is the fusion center for the Marine Air-Ground Intelligence System (MAGIS). The IAS fuses of tactical and national systems, and must be upgraded in order to maintain these capabilities and to continue functioning as new systems are developed.

MS-II, Jan 93

MAJOR DEVELOPMENT MILESTONES:

DEVELOPMENTAL STATUS/

FINANCIAL PLAN: (\$ in Millions)

RDT&E	
PROCUREMENT	
Kit Quantity	
Installation Kits	
Install. Kits Nonrecurring	
Equipment	
Equipment Nonrecurring	
Engineering Change Orders	
Data	
Training Support	
Support Equipment	
Other	
Interim Contractor Support	

TAT.	v <sup>i</sup>	0.000		0.000	0.000	0.000	5.614	0.000	0.070	0.000	0.000	0.000	000.0
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							0.735		0.010				
To	S VIO S VIO		LOT										
2000	€0l						0.825		0.010				
F	XII Od		LOI										
1999	€⁄aj						1.184		0.010				
EX	XIO		Ş										
1998	wi						1.062		0.010				
닯	XIO XIO		Į										
1997	OTY & OTY &						0.795		0.010				
Ŧ	OTX		ĮQĮ										
1996	val•						0.903		0.010				
E	XIX	;	Į.										
FY 1995	<b>v</b> i					;	0.110	;	0.010				
Ε¥	N N		Fo <del>t</del>										

EXHIBIT P-3A INDIVIDUAL MODIFICATION

13-6

	EY 18	1995 FY S OTX	. 1996 \$ 07	\$	EX 1998 OTY \$	EY 1999 OTX \$	9	EX 2000 IC	TO COMP	TOTAL	A v
INSTALLATION OF HARDWARE											
1995)										0 0	0.000
(FY 1996) Eqpt (LOT Kits) (FY 1997) Eqpt (LOT Kits)		Lot	0.011 LOT	0.012						0 0	0.011
1998)					LOT 0.160					0	0.160
(FY 1999) Eqpt (LOT Kits)						LOT 0.181				0	0.181
COMP)							roj	0.075 LOT	0.175	0 0	0.075
										•	)
TOTAL INSTALLATION COST	J	0.000 LOT	0.011 LOT	r 0.012 LOT	л 0.160 LOT		0.181 LOT	0.075 LOT	0.175	0	0.614
TOTAL PROCUREMENT COST	J	0.120 LOT	0.924 LOT	r 0.817 LOT	T 1.232 LOT		1.375 LOT	0.910 LOT	0.920	0	6.298
METHOD OF IMPLEMENTATION Contractor/field		ΑD	ADMIN LEAD-TIME:		5 MONTHS	A.	RODUCTION	PRODUCTION LEAD-TIME:	Ì	6 MONTHS	
CONTRACT DATES:	FY	FY 1996	MAR 96	FY 1997	JAN 97	. 1					
DELIVERY DATES:	FY	FY 1996	SEP 96	FY 1997	MAR 97	. 1					
INPUT	Į.	LOT	~	LOT	LOT		LOI	ង	LOT	LOT	
OUTPUT	LOT	LOT	-	LOT	LOI		LOI	LOT	Ę	Į.	

EXHIBIT P-3A INDIVIDUAL MODIFICATION

43-7

### INDIVIDUAL MODIFICATION

MODIFICATION TITLE:

AN/MLQ 36(A) (MEWSS) PIP

MODELS OF SYSTEMS AFFECTED:

ALL MOBILE ELECTRONIC WARFARE SUPPORT SYSTEM (AN/MLQ 36)

MEWSS PIP is an electronic warfare suite of equipment configured in the highly mobile, survivable Light Armored Threat tactical communications responsive EW support to maneuver commanders, enhanced the ability to defeat the enemy by isolating and suppressing opposing fire control and Vehicle (LAV). This program develops a material change for the current, outdated Blectronic Warfare (EW) suite. Threat tactical communicat have advanced to complex, modulations requiring computer-intensive, open architecture solutions. MEMSS fulfills the requirement to provide command and control nets at a critical point of time in the battle. MEWSS PIP will provide detection, location, demodulation of advanced tactical communications. MEMSS PIP incorporates Army Intelligence and Electronic Warfare Common Sensor (IEWCS) electronics. DESCRIPTION/JUSTIFICATION: DEVELOPMENTAL STATUS/

Phase II Engineering Development Model (EDM). MS IIA Low Rate Initial Production 2nd Qtr96. MS III 1st Qtr97. MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in Millions)

	FY 1995		FY 1996	FY 1997		958	EX 1	FY 1999	FX 2000	00	TO COMP	OMP	TOTAL	4
	OTX \$	OLK	ۯ.	OTY	OT.	soi.	OTK OTK	voi	OLIK OLIK	• <b>0</b> 1	OTX.	vai	<b>VIV</b>	es)
TRE														
OCUREMENT													0	0.000
Kit Quantity				63	7		7		e		٣		0	
Installation Kits														0.00.0
Install. Kits Nonrecurring														0.000
Equipment														0.000
Equipment Nonrecurring				9.638	-	10.667	1	11.509	16	16.612	П	16.601	v	5.027
Engineering Change Orders														000.0
Data														0.000
Training Support														0.000
Support Equipment														000.0
Other														0.000
Interim Contractor Support														0.000

PROCUREMENT

RDT&E

EXHIBIT P-3A INDIVIDUAL MODIFICATION

	P	FY 1995 IX &	FY 1996 OTY S	996 S QTY	FX 1997 \$	FX	FX 1998 IX \$	PY 1999 OTX &		EX 2000 OTX \$		TO COMP	섫∽	TOTAL QTX	여
WARE Eqpt ( Egpt ( Egpt ( Egpt (				C4	2 1.500	9	1.500	N	1.500	e 2	2.250	•	,	00000000	0.000 0.000 0.000 1.500 1.500 1.500
TOTAL INSTALLATION COST	0	0.000	0	0.000.0	0.000 2 1.500	6	1.500	77	1.500	ю 8	2.250		2.250		9.000
TOTAL PROCUREMENT COST		0.000		0.000	11.138		12.167	•	13.009	18	18.862	#	18.851		74.027
METHOD OF IMPLEMENTATION: CONTRACTOR			ADMIN L	ADMIN LEAD-TIME:		3 MONTHS			PROD	PRODUCTION LEAD-TIME:	LEAD-T	IMB:	18 4	18 MONTHS	
CONTRACT DATES:		FY 1996			FY 199.	FY 1997 JAN 97		,							
DELIVERY DATES:		FY 1996			FY 199'	FY 1997 JUL 98									
INSTALLING SCHEDULE:	FY 1995	FY 1	3.4	•	FY 1997	4	FY 1998	4		FY 1999	4 1	FY 2000	200	TOTAL	4 4
INPUT								73			73		7		
OUTPUT									``	8	61		``	81	

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	BO	BUDGET ITEM JUSTIFICATION SHEET	FICATION SHEET			DATE		
APPROPRIATION/BUDGET ACTIVITY:	P ACTIVITY:			P-1 ITEM NOMENCLATURE:	WCLATURE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	CORPS/BUDGET	ACTIVITY	4	,	ITEMS LESS TH	ITEMS LESS THAN \$2 MILLION (INTEL)	INTEL)	
							RCN:	RCN: 145246
		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FV 2001
QUANTITY		0	0	0	C	0	-	
COST (IN MILLIONS		\$ 1.0	\$ 1.7	\$ 0.0	\$ 0.7	\$	- C	\$

This is a roll-up line which consists of:

Tactical Surveillance Countermeasures (TSCM) - A suite of equipment which provides the Marine Corps Counterintelligence Teams (CIT) with an updated capability to detect clandestine surveillance devices ("bugs") employed by hostile intelligence organizations in a garrison and/or combat environment.

Digital Terrain Analysis Mapping System (DTAMS) - Provides the Topographic Platoons with a portable means to exploit Defense Mapping Agency (DMA) digital mapping products in support of the Marine Air Ground Task Force (MAGTF) and the Photo Interpretation Set.

P-1 SHOPPING LIST I NO. PAGE NO. ITEM NO. 44

EXHIBIT P-40

BLI NR.

475100

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4	B. WEAPON MODEL/SERIES/POF ITEMS LESS THAN \$2 MILLION (RCN 145246)		ULAR NAME (INTEL)	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS	RER NAME TATE	D. DATE
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE		FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL, COST	FY 1997 INTE COST	QTY TOTAL COST
Technical Surveillance Countermeasures (TSCM)	A		500,000	1 500		3 1,500		
Contractor Support Program Support Training Travel				24		219		
Digital Terrain Analysis Mapping System	4		62,000	2 124				
Initial Factory Training Program Support				387				
Initial Spares				(61)				
TOTAL COST				1045		1,719		
BLI NK.	475100		P-1 SHOPPING LIST ITEM NO. PAGE N 44	PAGE NO.				EXHIBIT P-5

	lď	PROCUREMENT H	HISTORY & PLA	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:	ACTIVITY:	-			P-1 ITEM NO	ITEM NOMENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ORPS/BUDGET ACTIVIT	<b>≧</b> i	7		ITEMS LESS	ITEMS LESS THAN 2 MILLION (INTEL)	ION (INTEL)	RCM:	(145246)	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED	AWARD	DATE OF FIRST DELIVERY	ŶŢŎ	UNIT	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAIL
Technical Surveillance Countermeasures (TSCM) FY95	VARIOUS	C/FFP	SAF/FMBMB, AF, PENTAGON WASH, DC	24	Aug 95	1	500,000	YES	NO	N/A
FY96	VARIOUS	C/FFP	SAF/FMBMB, AF, PENTAGON WASH, DC	MAY 96	NOV 96	м	500,000	YES	NO	N/A
Digital Terrain Analysis Mapping System / FY95	VARIOUS	C/FFP	MCSYSCOM	Mar 95	Jun 95	73	62,000	YES	ON	N/A
REMARKS:										
BLI NR.	475100			P-1 ITEM NO.	SHOPPING LIST	IST PAGE NO.			EXHIBI	EXHIBIT P-5A

BUDGET ITEL APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	BUDGET ITEM JUSTIFICATION	ICATION SHEET	P-1 ITEM NOMENCLATURE: ELECTRO	NCLATURE: ELECTRONIC TM	DATE	LITY	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FV 2001
QUANTITY	4	0	0	0	1		
COST (IN MILLIONS) \$	0.7	l II	0.0	\$ 0.0	0.0	1	\$ 0.0
THE ELECTRONIC TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT REPAIR FACILITY CONFIGURED TO PROVIDE REPAIR CAPABILITY IN THE FOLLOWING FUNCTIONAL AREAS: MEASUREMENTS), HIGH POWER RADIO FREQUENCY TMDE, OSCILLOSCOPES, MULTIMETERS, CALIBRATION STANDARDS.	r, and diagnosti Pability in the Freguency imde,	C EQUIPMENT RE FOLLOWING FUNC OSCILLOSCOPES		(ETWDERF) CONSISTS OF A AUTOMOTIVE TWDE, ELECTRC SMALL MISSILE TWDE, MIC	(ETMDERF) CONSISTS OF A SERIES OF WORK STATIONS AUTOMOTIVE TMDE, ELECTRONIC FREQUENCY COUNTERS SMALL MISSILE TMDE, MICROPROCESSOR BASED TMDE,	SERIES OF WORK STATIONS NIC FREQUENCY COUNTERS ROPROCESSOR BASED TMDE,	(TIME AND SC
ACQUISITION OBJECTIVE (A/O): 14							
FY 1994 & PRIOR 1 FY 1995	10 = 71% OF A/O 14 = 100% OF A/O						
ALL ITEMS ARE CODE A							
BLI NR. 481000			P-1 SHOPP ITEM NO. 45	SHOPPING LIST PAGE NO.			EXHIBIT P-40

|

	D. DATE		QTY TOTAL COST		0 mrarina	Evurbii F-3
	URER NAME STATE		FY 1997			
	C. MANUFACTURER NAME PLANT CITY/STATE	VARIOUS	QTY TOTAL COST		0	
	PULAR NAME	(RCN140247)	FY 1996 UNIT COST			
	B. WEAPON MODEL/SERIES/POPULAR NAME FLECTIDONIC TWINE DEDAID DACTITION	DE REFAIR FAC	QTY TOTAL COST	44 80 80 80 80 80 80 80		PAGE NO.
	B. WEAPON MO	ELECTRONIC IN	FY 1995 UNIT COST	177000	P-1 SHOPPING LIST	ITEM NO.
	TION/BUDGET JE/NO: MARTNE CORDS	4	QTY TOTAL COST			
	A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT MARINE COR	F-1	UNIT COST			
			IDENT.	4	481000	
mp (b) stampas at the state	WEAPON SISTEM COST ANALYSIS EXHIBIT (P-5)		WEAPON SYSTEM COST ELEMENTS	FACILITY TOTAL COST	BLI NR.	

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	PR	OCUREMENT H	PROCUREMENT HISTORY & PLANNING	ANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:	ACTIVITY:				P-1 ITEM NOMENCLATURE	MENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ORPS/BUDGET ACTIVIT		4		ELECTRONIC	ELECTRONIC TMDE REPAIR FACILITY	FACILITY			
									140247	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	OTY	UNIT	SPECS AVAIL NOW	SPEC REV	IF YES WHEN
ELECTRONIC TMDE REPAIR FACILITY	PACILITY									
FY95	VARIOUS	PO/FFP	BARSTOW	DEC 94	SEP 95	4	177,000	YES	ON	N/A
REVISED A/O WAS COMPLETED IN FY95. REMAINING FUNDS WILL BE USED TO PROCURE SMALL QUANTITIES OF TEST MEASUREMENT AND	TED IN FY95. REMAIN	NING FUNDS V	VILL BE USED	TO PROCURE	SMALL QUAN	TITIES OF T	EST MEASURE	MENT ANI		
DIAGNOSTIC EQUIPMENT S	OCH AS SAMPLING US	CILLOSCOPES,	OPTICAL MU	LTIMETERS.	AND THERMOC	OLLIMATORS.	FY95 ALSO	PERTACE.	TO TAINDE	ווייים איי

OSCILLOSCOPES, OPTICAL MULTIMETERS, AND THERMOCOLLIMATORS. FY95 ALSO REFLECTS INCREASED DIAGNOSTIC EQUIPMENT SUCH AS SAMPLING DEPOT MAINTENANCE RATE CHANGES.

481000

BLI NR.

4

P-1 SHOPPING LIST ITEM NO. PAGE NO.

45

EXHIBIT P-5A

## APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: ELECTRONIC TMDE REPAIR FACILITY

#### SUSTAINMENT

14

14

APPROVED ACQUISITION OBJECTIVE

0

1-5-7

	ASSET DYNAMICS		Ω	DATE:	
TAMCN/DODIC: ACQUISITION OBJECTIVE:	A06187	ITEM NAME: RCN:	ELECTRONIC TMDE REPAIR	REPAIR FACILITY (ETMDERF)	
	ENDING				
GAINS	30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
*FY BUDGET *OTHER TOTAL		4 4	4 0 0	0	0
LOSSES: *COMBAT USMC *COMBAT ALLIES		0	0		
*PEACETIME *WASHOUT *SALES		0	0		
*OTHER TOTAL		0	0	0	0
NET CHANGE (+/-)		T	7	0	0
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE	9	10	14	14	14
*SUB UNSERVICEABLE		0	0		
TOTAL \$M VALUE	0.8	\$ 1.3	\$ 2.0	\$ 2.0	\$ 2.0
% A/O ON HAND/FUNDED	43 %	71	* 100 %	100 %	100 %
COMMENTS:			FY 1996 RECOMMENDED	) BUY - QUANTITY: VALUE:	0
			FY 1997 RECOMMENDED BUY	700 -	
BLI NR. 481000		P-1 S	SHOPPING LIST		EXHIBIT P-20A
		LIEM NO.	AGE NO.		

The funding sustains modernization and standardization plans, as well as new requirements identified in support of new principal end items. In some cases, new requirements will supersede planned procurements. The items bought with these funds are non-developmental, commercial-off-the-shelf items (consequently extremely low risk). FY 2001 4.1 ઝ 140947 Funds are used to buy mechanical test equipment and tools to support the following principal end items: Automotive (e.g. Trucks HMMWV's); Combat Engineers (e.g. Bulldozers); Ordnance (e.g. Tanks). The test equipment and tools are used by mechanics at all levels of maintenance (i.e. from operator to component rebuild) to restore deadlined items to operational condition. Items RCN: This is a composite line which consists of several general purpose mechanical test equipment items and tool sets & kits FY 2000 4.0 GENERAL PURPOSE MECHANICAL TMDE 1999 DATE FΥ procured, range from individual mechanics tool kits to engine and transmission dynamometers. 3.8 PAGE NO. FY 1998 SHOPPING LIST P-1 ITEM NOMENCLATURE €7} FY 1997 3.0 ITEM NO. 46 3.0 \$ BUDGET ITEM JUSTIFICATION SHEET FY 1996 1.0 \$ FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY: 483700 All items are Code A. COST (IN MILLIONS) **DUANTITY** 

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCIREMENT MARTHE CORPS	B. WEAPON MO GENERAL PUR	B. WEAPON MODEL/SERIES/POPULAR NAME GENERAL PURPOSE MECHANICAL TMDE	ULAR NAME L TMDE	C. MANUFACTURER NAME PLANT CITY/STRIE	RER NAME TATE	D. DATE
		BUDGET ACTIVITY 4	(140041)				VARIOUS	
WEAPON SYSTEM	IDENT.		FY 1995	VTV TODE	FY 1996		FY 1997	ХДО
ECP's FOR AGRS	A		ONTI COSI	тогип	ONT.I. COST.	TOTAL COST	UNIT. COST	TOTAL COST
AGRS (OPTIONS)	æ		155,000	310				
TOOL KIT, ELECTRO OPTICAL	Ø							
DYNAMOMETER, ENGINE	Ą		58,000	10 580	51,000	357		
TEST STAND, TRANSMISSION	A				227,000	454	233,000	233
TEST BENCH, HYDRAULIC	Ą				140,000	1 140	111,000	333
CONTACT TEST SET-III (CTS)	Æ				16,000	2,000	16,500	2,063
TEST BENCH, STARTER	ď						18,000	18
LOGISTICS SUPPORT	N/A			129		28		324 75
ACTIVE COMPONENTS				(1019)		(2664)		(2465)
RESERVE COMPONENTS				(0)		(315)		( 563)
4	00000			1019		2979		3028
BLI NK.	483700		P-1 SHOPE ITEM NO. 46	P-1 SHOPPING LIST EM NO. PAGE NO. $\frac{7}{46}$				EXHIBIT P-5

	PF	PROCUREMENT HISTORY	ય્ય	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NO	ITEM NOMENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET	ORPS/BUDGET ACTIVITY	Su	4		GENERAL PUR	GENERAL PURPOSE MECHANICAL TMDE	ICAL TMDE			
								RCN:	140947	
	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	ΔIΛ	UNIT	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAIL
AGRS TEST STAND										
FY 95	EPECO, DENVER, CO	C/FPO	MCSC	MAR 95	MAR 96	7	155,000	YES	ON	N/A
DYNAMOMETER, ENGINE FY 95 FY 96	UNKNOWN UNKNOWN	C/FP C/FPO	MCSC	OCT 95 JAN 96	FEB 96 MAY 96	10	58,000 51,000	YES	N N	N/A N/A
TEST STAND, TRANS (TTS) FY 96 FY 97	5) UNKNOWN UNKNOWN	C/FP C/FPO	MCSC	JAN 96 JAN 97	APR 96 APR 97	1.2	227,000 233,000	YES	N ON	N/A N/A
TEST BENCH, HYDRAULIC FY 96 FY 97	UNKNOMN UNKNOMN	C/FP C/FPO	MCSC	JAN 96 JAN 97	SEP 96 SEP 97	нε	140,000 111,000	YES	NO NO	N/A N/A
CONTACT TEST SET-III FY 96 FY 97	UNKNOMN UNKNOMN	C/FP C/FPO	MCSC	JAN 96 JAN 97	JAN 97 JAN 98	125 125	16,000 16,500	YES	NO NO	N/A N/A
TEST BENCH, STARTER FY 97	UNKNOMN	C/FP	MCSC	JAN 97	JAN 98	80	18,000	NO	NO	JAN 96
REMARKS:										,
BLI NR.	483700			P-1 ITEM NO. 46	SHOPPING LIST	ST PAGE NO.			ЕХНІВІ	EXHIBIT P-5A
			_]			1				

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52.0 EXHIBIT P-40 FY 2001 142688 RCN: 50.0 FY 2000 0.0 0 FY 1999 NIGHT VISION EQUIPMENT DATE ↭ 0.0 P-1 SHOPPING LIST ITEM NO. PAGE NO. FY 1998 P-1 ITEM NOMENCLATURE: 17.2 FY 1997 47 NST (IN MILLIONS | \$ 39.3 | \$ 7.1 | \$ This is a rolled line for Night Vision Equipment consisting of: BUDGET ITEM JUSTIFICATION SHEET FY 1996 Scout Sniper Night Enhancement Device AN/PVS-7B Night Vision Goggles AN/PAS-13 Thermal Weapon Sight AN/PAQ-4B Infrared Aim Light FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY Laser Warning System APPROPRIATION/BUDGET ACTIVITY: 493000 COST (IN MILLIONS QUANTITY

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCTIPEMENT MADINE CODES	B. WEAPON MO	B. WEAPON MODEL/SERIES/POPULAR NAME	ULAR NAME	C. MANUFACTURER NAME PLANT CITY/STATE	RER NAME STATE	D. DATE
	·	BUDGET ACTIVITY 4	RCN: 142688	NIGHT VISION EQUIPMENT ROLL-UP RCN: 142688	-0P	LOCATION Various		
	IDENT. CODE		FY 1995	QTY TOTAL COST	FY 1996	QTY TOWN	FY 1997	QTY
li .				33,341	IGO ITMO	TOTAL COST	ONLY COST	TOTAL COST
						2,978		
								13,487
								3,695
				9009				
						4,152		
			,					
				(3895)		(3337)		(957)
- H				39,347		7,130		17,182
×Ι	493000		P-1 SHOPE	PING LIST				EXHIBIT P-5
l			47	Frot. 10.				

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Night Vision Equipment AN/PVS-7B NVG P-1 ITEM NOMENCLATURE: BUDGET ITEM JUSTIFICATION SHEET 4 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY:

DATE

0.0 FY 2001 140178 0.0 0.0 0 FY 1999 0.0 FY 1998 13.5 FY 1997 7.1 \$ FY 1996 33.3 \$ 11,180 FY 1995 COST (IN MILLIONS **PUANTITY** 

system incorporates an automatic high light shut off for protection from bright light and a low battery LED indicator in the previous models. This is a 3rd Generation image intensifying system capable of detecting a man-size target at 250M in starlight and 350M in moonlight. It is 60z lighter than the current AN/PVS-5 NVG and is three times as sensitive. The The latest Night Vision Goggle, significantly enhances operational capability over display. This system is for ground use only. AN/PVS-7B Night Vision Goggle.

Acquisition Objective (A0) = 42,604

= 63% AO = 67% AO = 93% AO FY93 & Prior = 24835\* = 28556 = 39724FY94 FY95

\* Includes NGREA Qty of 2721

Approval for Service Use = FY 94 = Code "A"

493000 BLI NR.

P-1 SHOPPING LIST

ITEM NO.

PAGE NO.

EXHIBIT P-40

		-			1 1 1 1 1 1 1 1 1 1 1 1	INIE	
	PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4	AN/PVS-7B NIGHT VISION GOGGLE RCN: 140178	IT VISION GOGGI		LOCATION ITT/LITTON		
COST ELEMENTS CODE		FY 1995 UNIT COST	QTY TOTAL COST	FY 1996	QTY TOTAL COST	FY 1997	AIO
AN/PVS-7B NVG		2,960	11180 33,093		TOO THINK	ONTI COST	TOTAL COST
PRODUCTION ENGINEERING			248				
ANCILLARY EQUIPMENT 3X MAGNIGIER	-1-1			312	9268 2,892		
PRODUCTION ENGINEERING					98		
MONOCULAR NIGHT VISION A DEVICE	-					3090	4285 13,241
PRODUCTION ENGINEERING							246
GEN III TUBES B				1900	1754		
PRODUCTION ENGINEERING				0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	175		
			W. Carlotte				
							***************************************
Active Component							
Reserve Component			(13246)		(7130)		(13487)
BIT NR 493000		1 010	33,341		7,130		13,487
!		F-1 SHOPPING LIST ITEM NO. PAGE N	ING LIST PAGE NO.				EXHIBIT P-5
		47	2				

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APPROPRIATION/BIINGET ACTIVITY.		NOCONEGUE	UTSIONI & ET	PANIN EFFIC	n 1 mew wor	Taring Total		DATE:		
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ORPS/BUDGET ACTIVIT	.₹	4		Night Visior	P-1 LIEM NOMENCLAIORE: Night Vision Equipment AN/PVS-7B NVG	AN/PVS-7B			
								: !!	140178	
	CONTRACTOR	CONTRACT			DATE OF			SPECS	SPEC	IF YES
LINE ITEM/	AND	METHOD	CONTRACTED	AWARD	FIRST		UNIT	AVAIL	REV	WHEN
FISCAL YEAR	LOCATION	AND TYPE	BY	DATE	DELIVERY	QTY	COST	NOW	RQRD	AVAIL
FY 95 AN/PVS-7B	ITT/LITTON ROANOKE, VA	CM-5/FPO	USA CECOM	JAN 95	JAN 96	11180	2960	YES	NO	N/A
FY96 3X MAGNIFIER	ITT/LITTON ROANOKE, VA	CM-2/FPO	USA CECOM	FEB 96	JAN 97	9268	312	YES	ON	N/A
FY 97 MONOCULAR NIGHT VISION DEVICE	ITT/LITTON ROANOKE, VA	CM-2/FPO	USA CECOM	JAN 97	JAN 98	4285	3090	YES	ON .	N/A
FY 96 GEN III 25mm TUBES	ITT/LITTON ROANOKE, VA	CM-2FPO	USA CECOM	FEB 96	JAN 97	1754	2267	YES	ON	N/A
REMAPKS:							·			
BLI NR.	493000			p-1	SHOPPING LIST	tsī			EXHIB	EXHIBIT P-5A

47

PAGE NO.

## APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: AN/PVS-7B, NIGHT VISION GOGGLES

#### SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:

3047 0

3047

#### INITIAL ISSUE

III MARINE EXPEDITIONARY FORCE: II MARINE EXPEDITIONARY FORCE: SELECTED MARINE CORPS RESERVE: I MARINE EXPEDITIONARY FORCE: SUPPORT ESTABLISHMENT: NORWAY AIR LANDED BRIGADE: TOTAL:

APPROVED ACQUISITION OBJECTIVE

42604

39557

3770 7766 1012 0

12541 14468

9-Lh

		96 FY 1997		\$ \$ & & & & & & & & & & & & & & & & & &	VALUE: \$ M
	AN/PVS-7B Night Vision Goggle	FY 1995 FY 1996	0 0 8 4 4 4 0 0 0 0 -12 11156	\$\frac{39724}{114.3} \\$\frac{93.8}{\text{FY 1996 RECOMMENDED BUY}}	VALUE: FY 1997 RECOMMENDED BUY - QUANT
ASSET DVNAMTOS	E1152 ITEM NAME: 42,604 RCN:	ENDING INVENTORY 30 SEP 1993 FY 1994 3730	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	CEABLE	
	TAMCN/DODIC: ACQUISITION OBJECTIVE:	GAINS: *FY BUDGET *OTHER TOTAL LOSSES:	*COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER TOTAL  NET CHANGE (+/-)  ASSET POSITION: *STD UNSERVICEABLE *STD UNSERVICEABLE *STD UNSERVICEABLE *STD UNSERVICEABLE	SERVI UNSER TOTA IM VAL	

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									됣.	PROBE	PMC PRODUCTION BC	P-1 TTR		E CE	TORR		TCHT	VIBIO	2 20 20	NIGHT VIBION EQUIPHENT	Ļ					-	۱			RCNI	TOTOCAL VEND	1401/8	0 48	16							П	-	
BUDGET ACTIVITY: PROCU	PROCUREMENT MARINE CORPS/BUDGET ACTIVITY	KARI.	CO	RP6/1	CORPS/BUICET AC		f	20	ŀ	TRCAL	YEAR	1.5	ž							F	PISCAL YBAR	TENET.		2				š						CALEN	CALENDAR YEAR	YEAR			6	Ī	T	۷ ا	
ITEM AND MANUFACTURER	N/N	þ.		7.4 1.53	ž.		<u> </u>	PRION DUB TO AS OF	BUB OFT OF	CY, 94	CY: 94 OCT NOV DEC	CAL	BBB	HAR KAR	APR		S NUC	JUL AUG	JG BBP	P OCT	L KOV	DBC	JAN C	F GBP	ı ı	APR HA	MAY JUN		DO Y	SBP	OCT	NON D	DBC J	JAN PI	PBB N	MAR APR	PR KAY	Y JUN	300	AUG	SRP	- m c	
PY 95 AN/PVG-1B/NVG/ITT	z á	<u> </u>	96	9.7	86	66		۲.	T	+	+-	<b> </b>				1	+-	+-	+	┼				0.0	0.0	00	00	001	000	864	004	664	444									•	
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GEN 111 TUBES ITT/LITTON FY 95			_	<u>~</u>				-	~ + e o	_	+-	+					丁	1	+-									8 6			8.0	<b>8</b> F		1		1		1					
AN/PVS-7B					$\dashv$			٦.	0020		+-	$\dashv$	+	_ _				$\dashv$	+-		+-		, -		-		+			1	4_	-		<b>@</b> F	@ m	9.00		3 8	@ m	B m	0 ~		
AN/PVS-7B PY 97									0 0 2 0	丁	$\dashv$	+						$\top$	+	+	+	—					$\top$	+-	+-	-	+	<u> </u>	• ~	-		1	†	+	1	┼	1	2000	
AN/PVS-7B			-+		_						$\dashv$	+	+-						+-	+-	+-	+-					1	+	+	+	+						†	+		┼──	<b>├</b> ─	<u> </u>	
												$\dashv$							-	_	-	+-						1		-	-							-		╂	<u> </u>	<b></b>	_
	工	$\dashv$		-		$\dashv$						+-	-						1	+	+-	-	+-					+	+	-	+	-						<del>                                     </del>	┼	-	<u> </u>		т —
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TOTAL	1	+-	11 1 8	19 19 9	3 3	—	<del> </del>		% <del>+</del> ®			†	+	+	├─	<del> </del>	<u> </u>				<del>                                     </del>	∞ n ∢	- a - c	~ @ n o	48 50	9 2 9	1 8 9			9 2 9 1			-0.0		- r- v- ca	1 - 5 6			15.7	- W			
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MANUPACTURER'S NAMB & LOCATION	R'S N	AMB &	LOCA	TION			Ξ	N SU	IJ	1-8-5	MIN SUST 1-8-5 MAXIMUN	XING	إ	t		L					ADMIN LEAD TIME	MIN	END	H	Ļ			L																	

EXHIBIT P-21 MANU- TOTAL
PACTURING AFTER
TIME 1 OCT
12 PRIOR 1 OCT HATTAL BCONDER (PERVIOUS SOURCE ARMY P-1 SHOPPING LIST ITEM NO. PACE NO. 3LI NR. 493000

BUDGET ITEM JUSTIFICATION SHEET	// BUDGET ACTIVITY:	PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 4 Night Vision Equipment AN/PAQ4B	Infrared Aim Light RCN: 140178	1000   2000	0.000	20,719	<	S 0.0 \$ 0.0 \$ 0.0 \$	AN/PAO-4B Infrared Aim I furth A small lighthought inferral at 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	APPROPRIATION/BUDGET ACTIVITY:	ROCUREMENT, MARINE CORI			OTTANITTO	OTHER T. I.	COST (TN MIT.I.TONG	CNOTHING AT 1 CO	N/PAO-4B Infrared Aim I

image intensified night vision equipment to enhance target acquisition. The device emits a beam of infrared light that is invisible to the naked eye, yet visible out to 600M when viewed with night vision equipment.

Acquisition Objective (AO) = 29,234

6000 = 20% of AO 26719 = 90% of AO FY94 = FY95 =

Approval for Service Use = FY 96 = Code "A"

P-1 SHOPPING LIST
EM NO. PAGE NO. ITEM NO.

493000

BLI NR.

EXHIBIT P-40

	D. DATE			QTY	TOTAL COST														EXHTRIT D-5	1
	RER NAME	TATE	ologies H	ff .	UNIT COST															
	C. MANUFACTURER NAME	PLANT CITY/STATE LOCATION	Insight Technologies Manchester NH	QTY	TOTAL COST															
	ULAR NAME			FY 1996	UNIT COST															
	b. wearon model/series/popular name	IM LIGHT	(RCN 140178)	ΔILÕ	TOTAL COST	20,719 5,532	256	218										9009	ING LIST	PAGE NO.
	B. WEAPON MOL	AN/PAQ-4B IR AIM LIGHT		FY 1995	UNIT COST	267						****							P-1 SHOPPING LIST	ITEM NO.
	N/BOLDSET	RINE CORPS	4								·									
	ACTIVITY TITLE/NO.	PROCUREMENT, MARINE CORPS	BUDGET ACTIVITY																	
				IDENT.	CODE	Ç								·					493000	
MEADON CV	) H			WEAPON SYSTEM	AN/DAO-4B TO ATM 17Cum	ייי איז איז מיי מיי	PRODUCTION ENGINEERING	ANCILLARY EQUIPMENT										TOTAL COST	BLI NR.	
MEADO	ANALY				AN / DAO	W.	PRODUC	ANCILL	 	 			·			 ······································	·			

		PROCUREMENT HISTORY & PLANNING	ISTORY & PL	ANNING				יםשעע.		
APPROPRIATION/BUDGET ACTIVITY:	ACTIVITY:				P-1 ITEM NO	ITEM NOMENCLATURE: AN/PAO-4B INFRARED ATM LIGHT	AN/PAO-4B I	NFRARET	ATM LTG	ΨH.
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ORPS/BUDGET ACTIVI	TY	4				i N			:
									140178	
	CONTRACTOR	CONTRACT			DATE OF			SPECS	SPEC	IF YES
LINE ITEM/ FISCAL YEAR	AND	METHOD	CONTRACTED	AWARD	FIRST	i	TIMD	AVAIL	REV	WHEN
FY 95		7777	77	DAIB	DELLVERI	X.T.O	COST	MON	RQRD	AVAIL
AN/PAQ-4B	INSIGHT TECH. MANCHESTER, NH	C-2/FPO	USA CECOM	MAR 95	JAN 96	20,719	267	YES	NO	N/A
REMARKS:										
BLI NR.	493000			P-1	SHOPPING LIST	LST			EXHIBIT P-5A	T P-5A
		<b>-</b>		ITEM NO.	ı	PAGE NO.				

### APPROVED ACOUISMION OBJECTIVE

PROGRAM NAME: AN/PAQ-4B, INFANTRY WEAPONS NIGHT TARGETING DEVICE

#### SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:

3283 0 3283

INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE:
II MARINE EXPEDITIONARY FORCE:
III MARINE EXPEDITIONARY FORCE:
SELECTED MARINE CORPS RESERVE:
SUPPORT ESTABLISHMENT:
NORWAY AIR LANDED BRIGADE:
TOTAL:

9702

29534

APPROVED ACQUISITION OBJECTIVE

()-(h

	ASSET DYNAMI	ICS	AG DA	DATE:	
	1	1	AN/PAQ-4B INFRARED AIM LIGHT	NIM LIGHT	
TAMCN/DODIC: ACQUISITION OBJECTIVE:	E0955 29,534	RCN:	140178		
CATMS	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
*FY BUDGET *OTHER TOTAL		0009	20719 0 20719		
LOSSES:     *COMBAT USMC     *COMBAT ALLIES     *PEACETIME     *WASHOUT     *SALES     *OTHER     TOTAL		0 0 0 0			
NET CHANGE (+/-)		0009	20719		
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE		0 0009	26719 0		
TOTAL \$M VALUE	0	\$ 1.5	\$ 7.5		
% A/O ON HAND/FUNDED	æ 0	20 %	æ 06		
COMMENTS:			FY 1996 RECOMMENDED BUY FY 1997 RECOMMENDED BUY	NDED BUY - QUANTITY:  VALUE: \$  NDED BUY - QUANTITY:  VALUE: \$	Y: X X
BLI NR. 493000		P-1 SHOP ITEM NO. 47	SHOPPING LIST PAGE NO.		EXHIBIT P-20A

SRP AUG SEP AUG JUL JUE L NSS Ę HAY KY APR KAR APR MAR FRB FEB JAN JAN 080 DBC 4 5 7 7 NOV NOV Ç ğ AUG SEP SBP ---AUG JE. JE. 1 2 6 2 Ē NE S TOTAL AFTER 1 OCT 15 ΚΑΥ KĀ NANU-PACTURING TIMB 10 APR MAR APR ž PEB FEB JAN SEP OCT NOV DEC JAN PROCUREMENT LEAD TIME ADMIN LEAD TIME AFTER 1 OCT PISCAL YBAR: 280 NOV PRIOR 1 OCT Ď INITIAL REGENER (Previous Source)
P-1 SHOPPING LIST
ITEM NO. PAGE NO. AUG SBP AUG MAY JUN JUL JB. MAY JUN APR DEC JAN PEB MAR APR JAN PBB MAR < PRODUCTION RATES REACHED NIN SUST 1-8-5 MAXIMUN D+ DBC ACC BAL FISCAL YEAR PRIOR DUB CY: 94
TO AS OF TO CT NOV DI 1000 OCT NOV 07 2 - 4 0 FY SHEET 1 800 FY ¥ Ε¥ MANUFACTURER'S NAME & LOCATION 20 7 7 ¥ 20 1 7 20 **ហ 21 2 >** × M/n 1995 INSIGHT, MANCHESTER, NH ឥ ITEM AND MANUPACTURER PY95 AN/PAQ-4B/IAL/INSIGHT 3LI NR. 493000 TOTAL

	BI	BUDGET ITEM JUSTIFICATION SHEET	FICATION SHEET			DATE		
APPROPRIATION/BUDGET ACTIVITY:	T ACTIVITY:			P-1 ITEM NOMENCLATURE:	CLATURE:	Night Vision Equipment	Equipment	
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	CORPS/BUDGET	ACTIVITY	4		Scout Sniper	Night Enhanceme	Scout Sniper Night Enhancement Device (SSNED)	(A
						,	RCN:	RCN: 140178
		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY		0	0	329	0	0	0	0
COST (IN MILLIONS		\$ 0.0 \$	\$ 0.0 \$	\$ 3.7	\$ 0.0	\$ 0.0 \$	\$ 0.0 \$	0.0
Scout Sniper Night Enhancement Device. A telescopic aiming device attaching to/replacing the existing M40A1 and M82A1A	Enhancement D	evice. A telesc	opic aiming dev	vice attaching	co/replacing t	he existing M40	Al and M82AlA	
sniper scopes. The SSNED permits precise and accurate rifle fire on selected targets during day/night operations	SSNED permits	precise and acc	urate rifle fi	re on selected	targets durinç	day/night open	cations.	
Acquisition Objective	.ve = 426							
-								
FY97 Procurement Quantity = 329 = 77% of AO	antity = 329	) = 77% of AO						
Approval for Service Use		FY96 = Code "A"						

P-1 SHOPPING LIST
ITEM NO. - \( \bigcup\_{\begin{subarray}{c} \emptyset{\chi} \

493000

BLI NR.

EXHIBIT P-40

(3692) 3,695 EXHIBIT P-5 3665 30 TOTAL COST D. DATE 329 11141 UNIT COST FY 1997 C. MANUFACTURER NAME PLANT CITY/STATE TO BE DETERMINED TOTAL COST LOCATION QIX UNIT COST FY 1996 B. WEAPON MODEL/SERIES/POPULAR NAME SCOUT SNIPER NIGHT ENHANCEMENT TOTAL COST (RCN 140178) PAGE NO. P-1 SHOPPING LIST DEVICE (SSNED) UNIT COST ITEM NO. FY 1995 A. APPROPRIATION/BUDGET
ACTIVITY TITLE/NO:
PROCUREMENT, MARINE CORPS
BUDGET ACTIVITY
0 IDENT. 493000 BLI NR. TOTAL COST Reserve Component Active Component ANALYSIS EXHIBIT (P-5) PRODUCTION ENGINEERING COST WEAPON SYSTEM COST ELEMENTS SCOUT SNIPER NIGHT ENHANCEMENT DEVICE WEAPON SYS (SSNED)

		ROCUREMENT H	PROCUREMENT HISTORY & PLANNING	ANNING				ישוויגע.		
APPROPRIATION/BUDGET ACTIVITY:	ACTIVITY:				P-1 ITEM NO	P-1 ITEM NOMENCLATURE:		DATE:		
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ORPS/BUDGET ACTIVITY	Si	0		Night Visio	Night Vision Equipment-	Scout	er Nigh	Sniper Night Enhancement	ement
					Device (SSNED)	ED)		RCN:	140178	
/ Watt HINE	CONTRACTOR	CONTRACT			DATE OF				SPEC	IF YES
FISCAL YEAR	LOCATION	AND TYPE	CONTRACTED	AWARD	FIRST DELTVERY	È	TIND	AVAIL	REV	WHEN
SSNED					TVII ATTICLE	117	Ison	NO.	KQKU	AVAIL
FY97	UNKNOWN	C-1/FPO	SYSCOM	APR 97	SEP 97	329	11141	QN ON	Z Z	N/A
REMARKS:										
BLI NR.	493000			P-1	SHOPPING LIST	ST			EXHIBI	EXHIBIT P-5A
				ITEM NO.	1	PAGE NO.				

	2017					
	"CODE B" ITEM DESCRIPTION	ION . NOI		DATE		)
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NO	ITEM NOMENCLATURE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ACTIVITY 4		Night Vision Equipment	1	Scout Sniper Night Enhancement Device	ncement Device
1. CURRENT DEVELOPMENT AND TEST STATUS	T STATUS		(Service)	SCHEDULE DATE		
		CURRENT	LAST REPORTED		REASON FOR DELAY	LAY
						1 + 101 144
a. Developmental Test & Evaluation (DT&E)	ion (DT&E) Plan/Actual	tual APR 96	JUL 95	RE-TEST		
b. Initial Operational Test & Evaluation (IOT&E)	valuation (IOT&E) Plan/Actual	tual	1			
c. Operational Test & Evaluation (OT&E)	n (OT&E) Plan/Actual	tual NOV 96	OCT 95	DT RE-TEST SLIPPED.	IPPED.	
d. Available Date of Technical Data Package (TDP	Data Package (TDP Plan/Actual	tual				
or Performance Specifications	ions					
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:	OR SERVICE USE: FEB 97					
3. EQUIPMENT ITEM(S) TO BE REPLACED:	<b>Z</b>					
l l						
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S)	TO BE	REPLACED:	N/A			
5. DEVELOPMENT CONTRACT INFORMATION	(RDT&E	Funding Profile -	- \$ in Millions)			
CONTRACTOR NAME	PLANT LOCATION	COMPONENT		CY (FY1995)	BY (FY1996)	BEYOND BY
				\$ 0.189	\$ 0.082	\$ 0.132
					**	\$
					**	\$
						w
SWITCHING BING INDOM						
IAL KUIKE				681.0	$\neg$	\$ 0.132
REMARKS: The Scout Snipe	The Scout Sniper Night Enhancement Device (SSNED) acquisition strategy	ce (SSNED) acquis	S	to procure a non-	a non-developmental i	item.
BLI NR. 493000		P-1	SHOPPING LIST			EXHIBIT P-19
		ITEM NO.	PAGE NO.			

### APPROVED ACQUISITION OBJECTIVE

# PROGRAM NAME: SCOUT-SNIPER NIGHT ENHANCEMENT DEVICE (SSNED)

#### SUSTAINMENT

27								399
18		88	72	32	72	135	0	
WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:	INITIAL ISSUE	I MARINE EXPEDITIONARY FORCE:	II MARINE EXPEDITIONARY FORCE:	III MARINE EXPEDITIONARY FORCE:	SELECTED MARINE CORPS RESERVE:	SUPPORT ESTABLISHMENT:	NORWAY AIR LANDED BRIGADE:	TOTAL:

426

APPROVED ACQUISITION OBJECTIVE

07-6

	SOLVANIA TOSK	2775		7.00	
		ITEM NAME:	Scout Sniper Night	Enhancement Device	(SSNED)
TAMCN/DODIC: ACQUISITION OBJECTIVE:	TBD 426	· ·			
	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
GAINS: *FY BUDGET *OTHER TOTAL		0	0	0	329
LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER TOTAL		0		0	0 0 0 0 0
NET CHANGE (+/-)		0	0	0	329
ASSET POSITION:     *STD SERVICEABLE     *STD UNSERVICEABLE     *SUB SERVICEABLE     *SUB UNSERVICEABLE					329 0
TOTAL \$M VALUE	0	0 8	0	\$	329
% A/O ON HAND/FUNDED	æ 0	0	* 0	80	8 11 8
COMMENTS:			FY 1996 RECOMMENDED BUY FY 1997 RECOMMENDED BUY	NDED BUY - QUANTITY VALUE: NDED BUY - QUANTITY VALUE:	\$ 0 M \$ 329 \$ 3.7 M
BLI NR. 493000		P-1 SHOP ITEM NO.	SHOPPING LIST PAGE NO.		EXHIBIT P-20A

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10   10   10   10   10   10   10   10		FISC	Į,	1					<u> </u>				<b>†</b>		<u> </u>	<del> </del>				
10   10   10   10   10   10   10   10	Z Z Z Z	1	die	<b>†</b>	<u> </u>	1	†				<del>                                     </del>				<b> </b>		â	88		
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PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	GET ACTIVITY	4		AUTOMATED DAT	AUTOMATED DATA PROCESSING		
						RCN:	RCN: 144088
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	0	0	0	0	0
COST (IN MILLIONS) \$	\$ 16.5	\$ 23.0	0.0	\$ 0.0	\$ 0.0	\$ 0.0	*

The overall objective is to achieve modernization and increase processing capacity, both of which are required to allow continued operation of existing automated information systems (AIS) and the implementation of new corporate information management (CIM) automated information systems to support all functional areas. The Marine Corps has a continuing need to upgrade its computer equipment and system software by replacement or augmentation in order to keep pace with user demands and changing technology. The Marine Corps ADP program is an aggregation of inter-related data processing disciplines. support all functional areas.

1. REGIONAL COMPUTING CAPACITY PROGRAM. The Marine Corps regional ADP support is comprised of several components including small system computer equipment, proprietary system software products, the Marine Corps Local and Wide Area Exchange (LWX) network, and mainframe connectivity. This support environment was revamped. For the foreseeable future, legacy system ADP support will while future Marine Corps enterprise unique systems will be designed, developed, and fielded under a different support structure. In addition, there is an ongoing requirement to maintain the Marine Corps enterprise network infrastructure (servers, routers, hubs, printers, workstations, network and workstation operating system software and end-user application, network management tools, and security be provided to the Fleet Marine Forces and supporting establishments by the Defense Mega-Center (DMC) in St. Louis, Missouri systems) to support DOD sponsored and Marine Corps unique client-server applications.

FY 97-01 PROCUREMENT IN BLI 463500.

FUNDING PROFILE

FY95 FY96 FY97

2726 4625

BLI NR. 494200

P-1 SHOPPING LIST ITEM NO. PAGE NO.

48

EXHIBIT P-

In addition to the application software for pay, supply, manpower, and financial management, computer systems require system software is used to execute and enhance the management of hardware and/or application software and is absolutely essential for data processing operations. Marine Corps Common Computer Resources (CCR) coordinates and manages all system software products within the Marine Corps to include the Banyan Network Operating System which supports the Marine Corps wide area network. These proprietary products are used in conjunction with operating system software to make the system run more efficiently. The products are used to fine tune the system and support a variety of management functions. This software is generally proprietary, requiring annual licensing fees and maintenance support contracts. 144088 RCN: AUTOMATED DATA PROCESSING P-1 SHOPPING LIST I NO. PAGE NO. P-1 ITEM NOMENCLATURE FY97 0 FUNDING PROFILE FY96 3335 ITEM NO 48 FY95 1995 BUDGET ITEM JUSTIFICATION SHEET PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY FY 97-01 PROCUREMENT IN BLI 463500. APPROPRIATION/BUDGET ACTIVITY 494200 SYSTEM SOFTWARE BLI NR.

EXHIBIT P-40 consists of command and control subsystems which enable the National Command Authorities (NCA), the Joint Chiefs of Staff, and commanders at appropriate levels to direct and control the operation of U.S. military forces. These funds provide for the WMMCCS/GCCS computer (microcomputer workstation, terminals, printers) and communications support equipment (modems, multiplexors) to support Marine Corps participation in the WMMCCS/GCCS as directed by the Secretary of the Navy and Chairman, Joint Chiefs of Staff. 144088 RCN: P-1 ITEM NOMENCLATURE:
AUTOMATED DATA PROCESSING WORLD WIDE MILITARY COMMAND AND CONTROL SYSTEM (WWMCCS)/GLOBAL COMMAND AND CONTROL SYSTEM (GCCS) P-1 SHOPPING LIST M NO. PAGE NO. **FY97** 0 FUNDING PROFILE FY96 447 ITEM NO 48 FY95 8375 BUDGET ITEM JUSTIFICATION SHEET APPROPRIATION/BUDGET ACTIVITY:
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY FY 97-01 PROCUREMENT IN BLI 463100. 494200

EXHIBIT P-40 Required equipment and support for the Marine Corps Tactical System Support Activity efforts on Life Cycle Software Support (LCSS) for tactical systems. Investment items are essential to form the basis of software support for the Marine Corps tactical data systems that are fielded. 144088 RCN: AUTOMATED DATA PROCESSING DATE P-1 SHOPPING LIST
ITEM NO. PAGE NO. P-1 ITEM NOMENCLATURE: FY97 0 FUNDING PROFILE FY96 1387 1200 48 FY95 BUDGET ITEM JUSTIFICATION SHEET PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY TACTICAL SYSTEM SUPPORT EQUIPMENT FY 97-01 PROCUREMENT IN BLI 463500. APPROPRIATION/BUDGET ACTIVITY: 494200 BLI NR.

BUDGET ITEM JUSTIFICATION SHEET	DATE
APPROPRIATION/BUDGET ACTIVITY:	P-1 ITEM NOMENCLATURE:
PROCUREMENT, MAKINE CORPS/BUDGET ACTIVITY 4	AUTOMATED DATA PROCESSING RCN: 144088
5. MANPOWER AND RESERVE AFFAIRS ADP	
This centrally managed program will replace outdated ADP math models in-house. Currently manpower pays teleprocessing also purchase compact disk read-only memory players that will read capability to the field.	equipment. This program will buy a computer to run manpower fees to a vendor to operate these models. This program will transform documents from paper to electronic formats by providing
FY 97-01 PROCUREMENT IN BLI 463500.	
	FUNDING PROFILE
	FY95 FY96 FY97
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BLI NR. 494200	P-1 SHOPPING LIST ITEM NO. PAGE NO.
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144088 Provides the Marine Corps the ability to continue expanding the role of simulating and modeling decision making tools. In order for the Marine Corps to build and maintain a solid presence in the joint wargaming community and continue to provide realistic scenarios and tools, it is imperative to advance with technology. The purchase of hardware and software necessary for these models will allow the Marine Corps to keep pace with other government agencies and to interact in realistic wargaming RCN: P-1 ITEM NOMENCLATURE:
AUTOMATED DATA PROCESSING P-1 SHOPPÍNG LIST PAGE NO. FY97 0 FUNDING PROFILE FY96 0 ITEM NO. 48 FY95 1335 BUDGET ITEM JUSTIFICATION SHEET APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY FY 97-01 PROCUREMENT IN BLI 463500. 494200 BLI NR. CONFLICT scenarios.

144088 Implementation of EDI in DoD' calls for an aggressive program to implement EDI in the next five years. EDI is the automated exchange of electronic forms, instead of paper. Through EDI, the Marine Corps' basic business systems can be modernized, procedural bottlenecks corrected, and overhead costs reduced. This initiative would cover the costs of the computer and software necessary to transmit information electronically. P-1 ITEM NOMENCLATURE: AUTOMATED DATA PROCESSING P-1 SHOPPING LIST 1 NO. PAGE NO. **FY97** FUNDING PROFILE FY9671 ITEM NO. 48 FY95 09 BUDGET ITEM JUSTIFICATION SHEET APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY ELECTRONIC DATA INTERCHANGE (EDI) FY 97-01 PROCUREMENT IN BLI 463500. 494200 BLI NR.

144088 Provides the Marine Corps the ability to process, store and retrieve Official Military Personnel Files for all active and reserve Marines in an Optical Digital Imaging (ODI) format. The use of this advanced technology will reduce the current cost of maintaining these records, virtually eliminate their loss, and provide multiple users simultaneous access. An initial investment of \$5M in PMC (in addition to and increase of \$3M over the current O&MMC level of funding) in this ODI technology will save approximately \$46M in operating expenses over a 10-year life cycle. RCN: P-1 ITEM NOMENCLATURE:
AUTOMATED DATA PROCESSING DATE P-1 SHOPPING LIST 4 NO. PAGE NO. FY97 FUNDING PROFILE FY96 3406 ITEM NO. FY95 0 BUDGET ITEM JUSTIFICATION SHEET PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY OPTICAL DIGITAL IMAGING (ODI-RMS) FY 97-01 PROCUREMENT IN BLI 463500. APPROPRIATION/BUDGET ACTIVITY 494200 BLI NR.

48

EXHIBIT P-40 144088 DMS electronically between organizations and individuals in the DoD. The vision of DMS is to provide secure, accountable and reliable message service. Using the Defense Information System Network (DISN) Infrastructure/Global Grid for worldwide connectivity, DMS provides value-added X.400 messaging and X.500 directory services for DoD organizations and individuals. I will replace the current AUTODIN system and implemented through the use of Marine Corps acquired computer hardware and local area networks/wide area networks (IANS/WANS) to distribute both organizational and individual electronic messages. DMS consists of all the hardware, software, procedures, standards, facilities, and personnel used to exchange messages ronically between organizations and individuals in the DoD. The vision of DMS is to provide secure, accountable and RCN: P-1 ITEM NOMENCLATURE: AUTOMATED DATA PROCESSING DATE P-1 SHOPPING LIST I NO. PAGE NO. FY97 0 FUNDING PROFILE FY96 4131 ITEM NO. 48 FY95 0 BUDGET ITEM JUSTIFICATION SHEET APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY FY 97-01 PROCUREMENT IN BLI 463400. DEFENSE MESSAGE SYSTEM (DMS) 494200 BLI NR.

BUDGET ITEM JUSTIFICATION SHEET	ET DATE
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 4	P-1 ITEM NOMENCLATURE: AUTOMATED DATA PROCESSING RCN: 144088
10. JOINT RECRUITING INFORMATION SUPPORT SYSTEMS (JRISS)	
JRISS will automate the entire recruiting business process from high canvassing recruiter level. Benefits of the system include one time Delayed Entry Program (DEP) tracking, enlistment criteria expert sysinterface with MEPS, other services and relevent outside agencies. data definitions in a distributed database. JRISS service specific	JRISS will automate the entire recruiting business process from high level mission planning at the headquarters to prospecting at the canvassing recruiter level. Benefits of the system include one time data entry, forms generation, automated activity reporting, Delayed Entry Program (DEP) tracking, enlistment criteria expert system, electronic distribution of leads, and electronic interface with MEPS, other services sharing standardized data definitions in a distributed database. JRISS service specific front-and meeting in a distributed database.
FY 97-01 PROCUREMENT IN BLI 463500.	
	FUNDING PROFILE
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BLI NR. 494200	1 SHOP O.
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ANALYSIS EXHIBIT (P-5)		ACTIVITY TITLE/NO:	E/NO:	B. WEAPON MODEL/SEKIES/P	B. WEAFON MODEL/SERIES/FOPULAR NAME	PULAR NAME	C. MANUFACTURER NAME PLANT CITY/STATE	JRER NAME STATE	D. DATE
		$\boldsymbol{H}$	4	ACIOMAIGU DAI	RCN: 144088		LOCATION	VARIOUS	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	UNIT COST	QTY TOTAL COST	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST
REGIONAL COMPUTING					2726				0
SYSTEM SOFTWARE					1995	-	3335		0
www.ccs/gccs					8375		447		0
TACTICAL SYSTEMS SUPPORT					1387		1200		0
M&RA ADP					589		224		0
CONFLICT S					1335		0		0
EDI					09		71		0
ODI-RMS					0		3406		0
DMS				A	0		4131		0
JRISS					0		2608		0
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	[A]	PROCUREMENT !	HISTORY & PL	PLANNING				DATE:		
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								RCN:	144088	
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1. REGIONAL COMPUTING									i i	
FY 95 FY 96	VARIOUS VARIOUS	C/FFP C/FFP	LBC SYSCOM	MAR 95 MAR 96	JUL 95 MAY 96	VARIOUS VARIOUS	2,726,000 4,625,000	YES	NO NO	N/A N/A
2. SYSTEM SOFTWARE FY 95 FY 96	VARIOUS VARIOUS	C/FFP C/FFP	LBC SYSCOM	MAR 95 MAR 96	JUL 95 MAY 96	VARIOUS VARIOUS	1,995,000	YES	ON ON	N/A N/A
3. WWMCCS/GCCS FY 95 FY 96	VARIOUS	C/FFP C/T&M	LBC DISA	MAR 95 MAR 96	JUL 95 MAY 96	VARIOUS VARIOUS	8,375,000	YES	NO NO	N/A N/A
4. TACTICAL SYSTEM SUPPORT EQUIPMENT FY 95 VARIOUS FY 96 VARIOUS	PPORT EQUIPMENT VARIOUS VARIOUS	C/FFP C/FFP	MCBCAMPEN MCBCAMPEN	MAR 95 FEB 96	JUL 95 APR 96	VARIOUS VARIOUS	1,387,000	YES	NO NO	N/A N/A
5. M&RA ADP FY 95 FY 96	VARIOUS VARIOUS	C/FFP C/FFP	LBC	MAR 95 FEB 96	JUL 95 APR 96	VARIOUS VARIOUS	589,000 224,000	YES	NO NO	N/A N/A
6. CONFLICT S FY 95	VARIOUS	C/FFP	SYSCOM	JUL 95	SEP 95	VARIOUS	1,335,000	YES	NO	N/A
7. EDI FY 95 FY 96	VARIOUS	C/FFP C/FFP	LBC	MAR 95 JAN 96	JUL 95 MAR 96	VARIOUS VARIOUS	60,000 71,000	YES	NO	N/A N/A
8. ODI-RMS FY 96	UNKNOWN	C/FFP	LBC	36 NOT	30 JUL 96	VARIOUS	3,406,000	YES	NO	N/A
9. DMS FY 96	UNKNOWN	C/FFP	ITAC	FEB 96	JAN 97	VARIOUS	4,131,000	YES	NO	N/A
10. JRISS FY 96	UNKNOMN	C/FFP	ARMX	FEB 96	APR 96	VARIOUS	2,608,000	YES	NO	N/A
BLI NR.	494200			P-1 ITEM NO.	SHOPPING	IST PAGE NO.			EXHIB	EXHIBIT P-5A
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B	BUDGET ITEM JUSTI	ITEM JUSTIFICATION SHEET			DATE		
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PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	T ACTIVITY	4		COMMAND POST S	SYSTEMS ROLL-UP	RCN	
	FY 1995	FY 1996	FV 1997	FV 1998	FV 1000	0000 25	II.
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COST (IN MILLIONS)	\$ 0.0	\$ 0.0 \$	11.	13.	33.	3,	1.0
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	FY 97	FY 98	FY 99	FY 00	FY 01		
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<b>70</b>	0 0	2 0	11.3	7 0	00		
GCCS FY 97-01	6.0	11.0	1.0	1.0	1.0		
TOTALS	11.4	13.6	33.4	3.1	1.0		
TCO - Tactical Combat Operations AFATDS - Advance Field Artillery Tactical Data ATACC - Advanced Tactical Air Command Central GCCS - Global Command and Control System	erations llery Tactical Da Air Command Centr Control System	al System					
BLI NR. 463100			P-1 SHOPPING LIST	ING LIST			EXHIBIT P-40
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D. DATE	QTY TOTAL COST	10490	912								11402 EVHTETM D-E	
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URER NAME STATE	FY 1997 UNIT COST				<del></del>	- INCLUDE	0.73.46%					
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS	QTY TOTAL COST											
VULAR NAME JP	FY 1996 UNIT COST											
B. WEAPON MODEL/SERIES/POPULAR NAME COMMAND POST SYSTEMS ROLL-UP RCN:	QTY TOTAL COST			4.					7005075-01-2		ING LIST	PAGE NO.
B. WEAPON MODEL/SERIES/POPU COMMAND POST SYSTEMS ROLL-UP RCN:	FY 1995 UNIT COST										P-1 SHOPPING LIST	ITEM NO.
Sd									A. C.			
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY												
	IDENT. CODE										463100	
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM COST ELEMENTS	TCO (RCN: 144124)	GCCS (RCN: 144088)							TOTAL COST	BLI NR.	
WEAPO		TCO (RCN: 1	GCCS (RCN: 1									

0.0 FY 2001 144124 0.0 0 2000 ¥Ψ Tactical Combat Operations (TCO) 4.6 124 FY 1999 DATE 9.8 186 FY 1998 P-1 ITEM NOMENCLATURE: 230 10.5 FY 1997 0.0 BUDGET ITEM JUSTIFICATION SHEET FY 1996 0.0 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY COST (IN MILLIONS QUANTITY

and related capabilities to Marine commanders and their staffs at the battalion level and above. TCO enables Marines to share a common picture of the battlefield throughout the Marine Air Ground Task Force (MAGTF), thereby allowing commanders to make more timely and effective decisions. This system uses the common core software of the Joint Maritime Command Information System and will allow Marines to share their views of the battlespace not only with each other, but their Navy and Coast Guard counterparts This program provides digital mapping, messaging, overlay, This procurement covers the microcomputer needs of the TCO program. as well.

THIS ITEM IS CODE A TCO ACQUISITION OBJECTIVE (A/O):

880

(See BLI 461000) 64% 0 A/0 85% 0F A/0 99% 0F A/0 11% OF A/O 38% OF A/O 98 334 564 750 874 FY95&PRIOR: FY99-01: FY98: FY96: FY97:

The TCO line ends in FY96 and then falls under the Command Post Systems line in FY97.

463100 BLI NR.

P-1 SHOPPING LIST ITEM NO.

PAGE NO.

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D. DATE	QTY	TOTAL COST	8648	885	56 471	290 179	97 102 108	10490	EXHIBIT P-5	
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C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS	QTY TOTAL COST	TOTAL COST								
ULAR NAME (TCO)	FY 1996	ONTI COST								
B. WEAPON MODEL/SERIES/POPULAR NAME Tactical Combat Operations (TCO) RCN: 144124	QTY TOTAL COST								PING LIST PAGE NO.	7
B. WEAPON MO Tactical Comb	FY 1995 UNIT COST	1000 1710							P-1 SHOPPING LIST ITEM NO. PAGE N	49
N/BUDGET NO: RINE CORPS										
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY										
	IDENT.		۷.	<b>«</b>	_ K	<b>4</b>		_	463100	
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM COST ELEMENTS	Hardware Costs	TAC IV Computer	TAC IV Expansion Box	TCIM (Army MODEM)	Transit Cases	SUPPORT COSTS  ILS  Program Management Factory Training/ Travel	TOT THE COST	BLI NR.	

### APPROVED ACQUISITION OBJECTIVE

## PROGRAM NAME: TACTICAL COMBAT OPERATIONS

#### SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:	81 99 180	
INITIAL ISSUE		
I MARINE EXPEDITIONARY FORCE:	1000	
III MARINE EXPEDITIONARY FORCE:	136	
SELECTED MARINE CORPS RESERVE:	122	
SUPPORT ESTABLISHMENT:	40	٠
NORWAY AIR LANDED BRIDGADE:	0	
MARITIME PREPOSITIONING FORCE:	0	
TOTAL:	700	
WRMR/MPF OFFSET	(0)	_
APPROVED ACQUISITION OBJECTIVE	880	0

	ASSET DYNAM	MICS		DATE:	
TAMCN/DODIC: ACQUISITION OBJECTIVE:	A2534 880	ITEM NAME: RCN:	Tactical Combat Operations 144124	erations (TCO)	
	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FV 1997
GAINS: *FY BUDGET *OTHER TOTAL		0	1 1 1 1		
LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER TOTAL		0	000000	0 0 0 0	
NET CHANGE (+/-)		0	86	236	230
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE			0 0	334	564
TOTAL \$M VALUE	0	\$	98	\$ 334	\$ 564
% A/O ON HAND/FUNDED	æ 0	* 0	11_8	38 &	64 %
COMMENTS: FY 95 See BLI NR. 461000 FY 96 See BLI NO. 461300		FY	FY 1996 RECOMMENDED BUY FY 1997 RECOMMENDED BUY	ID BUY - QUANTITY: VALUE: ID BUY - QUANTITY: VALUE:	\$ 10.8 M 230 230 \$ 10.5 M
BLI NR. 463100		P-1 SHOP ITEM NO. 49	SHOPPING LIST PAGE NO.		EXHIBIT P-20A

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	APR.														APR			
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66	FEB			1	1										PRB			
	JAN.										1		<b>†</b>	<u>†                                     </u>	JAN			
	280			<b>†</b>				<del>                                     </del>			<del>                                     </del>	1	<del>                                     </del>		2			
144124 CAL YE	NOV		<del>}</del>	<del>                                     </del>					<b>†</b>	<b></b>		<del>                                     </del>		<del> </del>	NOV DEC			
N: 144124   PISCAL YEAR					<b>†</b>	<del> </del>	1		1	<del> </del>	1		<del> </del>	<del>                                     </del>				
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S PROCRAM QUANTITY	ITEM AND MANUPACTURER U/M													1		HANUPACTURER'S NAME & LOCATION	EMLETT PACKARD	BLI NR. 463100
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	BUDGET	ITEM JUSTI	BUDGET ITEM JUSTIFICATION SHEET	Ţ		DATE		
APPROPRIATION/BUDGET ACTIVITY:	/ITY:			P-1 ITEM NOMENCLATURE:	SNCLATURE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	BUDGET ACTIV	TTY	4		Global Comma	Global Command and Control Systems (GCCS)	Systems (GCCS)	
							RCN:	RCN: 144088
	H	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY		0	0	0	0	0	0	
COST (IN MILLIONS)	\$	0.0	0.0	\$ 0.9	\$ 1.0	\$ 1.0	\$ 1.0	\$

1. Global Command and Control System (GCCS). Consists of command and control subsystems which enable the National Command Authorities (NCA), the Joint Staff, and commanders at appropriate levels to direct and control the operation of U.S. military forces.

These funds provide for the GCCS hardware (servers, workstations, printers) and communications support equipment (hubs, routers, net encryption devices, modems, and cabling) to support Marine Corps participation in the GCCS as directed by the Secretary of the Navy and Chairman, Joint Staff.

Funding Profile

BLI NR. 463100

P-1 SHOPPING LIST
ITEM NO. PAGE NO.
49 -

EXHIBIT P-40

D. DATE		)7 QTY OST TOTAL COST		912	EXHIBIT P-5
C. MANUFACTURER NAME PLANT CITY/STATE	Various	FY 1997		0	
C. MANUFACTURER PLANT CITY/STATE	LOCATION	QTY TOTAL COST			
PULAR NAME	Global Command and Control System RCN: 144088	FY 1996 UNIT COST			
B. WEAPON MODEL/SERIES/POPULAR NAME		QTY TOTAL COST	0	0	PING LIST PAGE NO.
B. WEAPON MC		FY 1995 UNIT COST			P-1 SHOPPING LIST ITEM NO. PAGE N
ON/BUDGET /NO:	PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4				
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO:					
		IDENT. CODE	- SYSTEM	00,00,	463100
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		WEAPON SYSTEM COST ELEMENTS	GLOBAL COMMAND AND CONTROL	TOTAL COST	- NK TYR

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	PR	PROCUREMENT HISTORY & PLANNING	ISTORY & PLA	ANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NC	ITEM NOMENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	RPS/BUDGET ACTIVIT	•	4		Global Comm	Global Command and Control Systems (GCCS)	trol System	s (GCCS	_	
									144088	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED	AWARD	DATE OF FIRST DELIVERY	λιιο	TINU	SPECS AVAIL NOW	SPEC REV POPD	IF YES
FY 97	Various	C/FPP	VARIOUS	JAN 97	MAY 97	VAR	00			N/N
REMARKS:										
BLI NR.	463100			P-1 ITEM NO. 49	SHOPPING LIST	IST PAGE NO.			EXHIBI	EXHIBIT P-5A

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BO	BUDGET ITEM JUSTIFICATION SHEET	ICATION SHEET			DATE		
APPROPRIATION/BUDGET ACTIVITY:			P-1 ITEM NOMENCLATURE:	VCLATURE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	P ACTIVITY	4		MANEUVER C2 SY	SYSTEMS ROLL-UP	3	
	- 15	ti	К	ll.	- 11	KCN:	
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
ITY	0	0	0	0	0	0	0
COST (IN MILLIONS)	\$ 0.0 \$	\$ 0.0	7.6	\$ 11.1 \$	27.9 \$	16.2 \$	12.9
THIS IS A ROLLED LINE CONSISTING OF THE FOLLOWING: FY97	OF THE FOLLOWING FY97	): FY98	FY99	FY00	FY01		
TIDS FY97-FY98	8.5	2.1	0 ,	0	0		
DACT FY99 PLRS FY99	4 8.0	0. g	18.9	w 0	00		<del>)</del>
NT ID SYS	0	0	0	12.6	12.9		
JTIDS - JOINT TACTICAL INFORMATION DISTRIBUTION DATA AUTOMATED COMMUNICATIONS TERMINAL PLRS - POSITION LOCATION REPORTING SYSTEM		SYSTEM					
RI.T NR 463200			THE LTG	TNT TITE			A HETATINA
			ITEM NO. PAGE	PAGE NO.			EARLBIT F-40

D. DATE		QTY	2840	4752	-			7592	EXHIBIT P-5
JRER NAME	STATE	FY 1997	1200						
C. MANUFACTURER NAME	PLANT CITY/STATE LOCATION VARIOUS	QTY TOTAL COST							
PULAR NAME	an	FY 1996 UNIT COST							
B. WEAPON MODEL/SERIES/POPULAR NAME	SYSTEMS ROLL-UP	QTY TOTAL COST							ING LIST PAGE NO.
B. WEAPON MO	MANEUVER C2 S	FY 1995 UNIT COST							P-1 SHOPPING LIST ITEM NO. PAGE N 50 - 2
ON/BUDGET	ARINE CORPS								
A. APPROPRIATION/BUDGET	ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4								
		IDENT.	а	щ					463200
WEAPON SYSTEM COST	(C-4) TESTING CTATIONS	WEAPON SYSTEM COST ELEMENTS	Joint Tactical Information Distribution System (JTIDS) Class 2 Terminal (RCN: 041693)	Data Automated Communications Terminal (DACT) (RCN: 144058)				_	BLI NR.

0.0 0 041693 JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM 0.0 FY 2000 S 0.0 0 FY 1999 DATE 2.1 0 1998 P-1 ITEM NOMENCLATURE FY 2.8 c FY 1997 0.0 BUDGET ITEM JUSTIFICATION SHEET 0 FY 1996 0.0 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY: COST (IN MILLIONS) **DUANTITY** 

THIS IS A ROLL-UP LINE FOR THE JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS).

THE JTIDS TERMINAL PROVIDES A HIGH-CAPACITY, JAM RESISTANT, SECURE, DIGITAL COMMUNICATIONS CAPABILITY FOR THE TACTICAL COMMAND AND CONTROL (C2) PLATFORMS. THIS PROJECT PROCURES JTIDS CLASS 2/2H TERMINALS FOR THE FOLLOWING USMC HOST PLATFORMS: TACTICAL AIR OPERATIONS MODULE (TAOM), ADVANCED TACTICAL AIR COMMAND CENTRAL (ATACC), AND AIR DEFENSE COMMUNICATIONS PLATFORM (ADCP). THIS PROJECT ALSO PROCURES HARDWARE (INCLUDING GOVERNMENT FURNISHED PROPERTY (GFP)) REQUIRED TO INTEGRATE THE JTIDS CAPABILITY INTO THE TAOM AND THE ATACC.

CLASS 2 TERMINALS = 25 ACQUISITION OBJECTIVE (A/O):

FY 95: FY 96: FY 97: FY 98-01:

9 = 36% OF AO 19 = 76% OF AO (INCLUDES 2 PRODUCTION UPGRADE KITS) 24 = 96% OF AO (INCLUDES 3 PRODUCTION UPGRADE KITS) 25 = 100% OF AO (INCLUDES 1 PRODUCTION UPGRADE KIT)

FY 95-96 PROCUREMENT IN BLI 421300

463200 BLI MR.

P-1 SHOPPING LIST
I NO. PAGE NO. ITEM NO

NAME C. MANUFACTURER NAME D. DATE PLANT CITY/STATE RIBUTION LUCATION VARIOUS	1996 QTY FY 1997 QT	$\vdash$	578,452 1157	306,588			(2262) (578) (578) (578) (578) (578) (578) (578)
B. WEAPON MODEL/SERIES/POPULAR NAME JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS) RCN: 041693	VNIT COST TOTAL COST INTE	1000			30		P-1 SHOPPING LIST ITEM NO. PAGE NO. 50 - C
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4							0
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM IDENT. COST ELEMENTS CODE	JTIDS CLASS 2 B	TERMINAL HIGH POWER AMPLIFIER GROUP (HPAG)	PRODUCTION UPGRADE KIT FOR PSD TERMINAL	CENTRAL SOFTWARE SUPPORT ACTIVITY/INTERMEDIATE SOFTWARE SUPPORT ACTIVITY	SUPPORT COSTS	Active Component Reserve Component Initial Spares TOTAL COST BLI NR. 463200

	PR	PROCUREMENT HISTORY	ته	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:	ACTIVITY:				P-1 ITEM NOMENCLATURE:	MENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ORPS/BUDGET ACTIVITY	×	4		JOINT TACTI	JOINT TACTICAL INFORMATION DISTRIBUTION BCN.	TION DISTRI		SYSTEM	
LINE ITEM/	CONTRACTOR AND	CONTRACT METHOD	CONTRACTED	AWARD	DATE OF FIRST	Amo	TIND	20. 3	SPEC	IF YES WHEN
RMINA	GEC-M NJ/RO CEDAR	E	isc 1	70 NUC	96 NUC	2	578,452		ON	N/A
PRODUCTION UPGRADE FOR FSD TERMINAL (CLASS 2) FY 97	R GEC-MARCONI-TOTOWA FFP NJ/ROCKWELL-COLLINS CEDAR RAPIDS IA	FFP	USAF, ESC	16 NOC	96 NDD	m	306,588	YES	ON	N/A
REMARKS:										
BLI NR.	463200			P-1 ITEM NO. 50	SHOPPING LIST	IST PAGE NO.			ЕХНІВІ	EXHIBIT P-5A

APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY  1. CURRENT DEVELOPMENT AND TEST STATUS					2100			
ROCUREMENT, MARINE CORPS/BUDGET  1. CURRENT DEVELOPMENT AND TEST								
KOCUKEMENT, MARINE CORPS/BUDGET  CURRENT DEVELOPMENT AND TEST			P-1 ITEM NOM	ITEM NOMENCLATURE:				
	PACTIVITY	4		JOINT TACTICAL IN	INFORMATION DISTRIBUTION	SYS	TEM 041692	203
	ST STATUS				SCHEDULE DATE			
				CITEBENT	ECKL	Commonate B		
					Cun		KEASON	N FOR DELAY
	ion (DT&E)	Plan/Actual	OCT 1990 (1)		OCT 1990		N/A	
b. Initial Operational Test & Evaluation	Valuation (IOT&E)	Plan/Actual	APR 1987 (2)		APR 1987		A/N	
c. Operational Test & Evaluation (OT&E)	n (OT&E)	Plan/Actual	APR 1993 (3)		APR 1993		A/N	
d. Available Date of Technical Data Package (TDP) Plan	Data Package (TDP	/Actual	MAR 1990 (4)				6/N	
li	ions						\$ 	
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:	OR SERVICE USE:		MAR 1995 (DAB	B III)				
3. EQUIPMENT ITEM(S) TO BE REFLACED:	ACED:	N/A						
. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S)	11	TO BE REPLACED:	::	N/A				
5. DEVELOPMENT CONTRACT INFORMATION	TION	(RDT&E Funding	Profile -	\$ in Millions)				
CONTRACTOR NAME	PLANT LOCATION	COMPONENT		THROUGH PY (FY1994	(FY1995)	BY (FY1996)		BEYOND BY
	TOTOWA, NJ	CLASS 2 TERMINAL		\$ 4.6	\$ 0.05	\$	5 \$	1
GEC-MARCONI	TOTOWA, NJ	CLASS 2 HPAG			\$	₩	+	
				₹∕₽	₩	ŧs.	4A	
				\$	₩	is.	₹.	
				**	\$	₹ø-	₹O.	
TOTAL RDT&E FUNDING				\$ 7.3	\$ 0.05	-	+	0.25
REMARKS: (1) AUG 92 DEFEN: (2) AUG 92 DAES:	(1) AUG 92 DEFENSE ACQUISITION EXECUT (2) AUG 92 DAES: CLASS 2 (F15) IOT&E	EXECUTIVE SUMMARY IOT&E COMPLETE.	ARY (DAES): E.	CLASS 2H (MCE) FIR	FIRST FSD TERMINA	TERMINAL DELIVERY.	1	
(3) AUG 92 DAES: (4) AUG 92 DAES:	COMPLETION DA	·	JTIDS MULTI-SERVICE TO AMARD	OT.				
8			P-1 SH	SHOPPING LIST			٨٥	or a midina
			ITEM NO.	PAGE NO.			ă	6T-3 TTGTW
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# APPROVED ACQUISATION OBJECTIVE

JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS) PROGRAM NAME:

#### SUSTAINMENT

0 m		444400
WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:	INITIAL ISSUE	I MARINE EXPEDITIONARY FORCE:  II MARINE EXPEDITIONARY FORCE:  III MARINE EXPEDITIONARY FORCE:  SELECTED MARINE CORPS RESERVE:  SUPPORT ESTABLISHMENT:  NORWAY AIR LANDED BRIGADE:  TOTAL:

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APPROVED ACQUISITION OBJECTIVE

22

	ASSET DYNAMICS	CS	Ω	DATE:	
TAMCN/DODIC: ACQUISITION OBJECTIVE:	A08837G 25	ITEM NAME: RCN:	JOINT TACTICAL INFO	INFORMATION DISTRIBUTION SYSTEM	ON SYSTEM
	ENDING INVENTORY 30 SEP 1993	FV 1994	) # 	ф 9000	
GAINS: *FY BUDGET *OTHER TOTAL		0		0	FY 1997
LOSSES:     *COMBAT USMC     *COMBAT ALLIES     *PEACETIME     *WASHOUT     *SALES     *OTHER     TOTAL					
NET CHANGE (+/-)		0	0	0	N G
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE		0	6	19	24 0
TOTAL \$M VALUE	0	\$	\$ 5.7	\$ 12.6	\$ 24
% A/O ON HAND/FUNDED	* 0	0	36 %	76 %	* 96
COMMENTS: FY 97 OTHER-QUANTITY ARE UPGRADES C FY 94-96 JTIDS EXHIBITS LOCATED AT	∥ F⊣	TERMINALS.	FY 1996 RECOMMENDED BUY FY 1997 RECOMMENDED BUX	BUY - QUANTITY: VALUE: BUY - QUANTITY: VALUE:	\$ 5
BLI NR. 463200		P-1 SHOPI ITEM NO. 50	SHOPPING LIST PAGE NO.		ЕХНІВІТ Р-20А

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SHEET 1 OF 1 OCT NOV DEC JAN PEB MAR APP MAY JUN JUL AUG SEP OCT NOV DEC JAN PEB MAR APP MAY JUN JUL AUG SEP OCT NOV DEC JAN PEB MAR APP MAY JUN JUL AUG SEP OCT NOV DEC JAN PEB MAR APP MAY JUN JUL AUG SEP OCT NOV DEC JAN PEB MAR APP MAY JUN JUL AUG SEP OCT NOV DEC JAN PEB MAR APP MAY JUN JUL AUG SEP OCT NOV DEC JAN PEB MAR APP MAY JUN JUL AUG SEP OCT NOV DEC JAN PEB MAR APP MAY JUL AUG SEP OCT NOV DEC JAN PEB MAY JUL AUG SEP OCT NOV DEC JAN PEB MAY JUL AUG SEP OCT NOV DEC JAN PEB MAY JUL AUG SEP OCT NOV DEC JAN PEB MAY JUL AUG SEP OCT NOV DEC JAN PEB MAY JUL AUG SEP OCT NOV DEC JAN PEB M															Н
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0.0 FY 2001 144058 DATA AUTOMATED COMMUNICATIONS TERMINAL (DACT) 3.6 0 2000 돐 9.0 1999 DATE FY ❖ 9.0 FY 1998 P-1 ITEM NOMENCLATURE: 4.8 0 FY 1997 BUDGET ITEM JUSTIFICATION SHEET 0.0 0 FY 1996 0.0 0 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY: COST (IN MILLIONS QUANTITY

overlay, and related capabilities to The Data Automated Communications Terminal (DACT) program provides digital mapping, messaging, overlay, and related capabilities that he commanders and their staffs at all levels of command. They enable Marines to share a common picture of the battlefield throughout the task force, thereby allowing commanders to make more timely and effective decisions. This system uses the common core software of the Joint Maritime Command Information System and will allow Marines to share their views of the battlespace not only with each other, but their Navy and Coast Guard counterparts as well.

THIS ITEM IS CODE B

DACT ACQUISITION OBJECTIVE (A/O): 4124 VEHICLE MOUNTED: 1,121

1,121 3,003 HANDHELD:

AO 3003 HAND HELD DACT: FY97: 400 FY98: 1201

400 = 13% OF A/O 1201 = 40% OF A/O 3003 = 100% OF A/O FY99-01:

P-1 SHOPPING LIST 4 NO. PAGE NO. ITEM NO

463200

BLI NR

EXHIBIT P-40

D. DATE		QTY TOTAL	2021	4	·	4752	EXHIBIT P-5
NAME		FY 1997	-	400			
C. MANUFACTURER NAME PLANT CITY/STATE	LOCATION	QTY TOTAL COST	TOO THINK			G	
ILAR NAME	IS TERMINAL	FY 1996 UNIT COST					
B. WEAPON MODEL/SERIES/POPULAR NAME	COMMUNICATION 144058)	QTY TOTAL, COST				0	ō.
B. WEAPON MOD	DATA AUTOMATED COMMUNICATIONS TERMINAL (DACT) (RCN: 144058)	FY 1995 UNIT COST					P-1 SHOPPING LIST ITEM NO. PAGE N 50
V/BUDGET VO:	INE CORPS			٠		0	
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO:	PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4						
		IDENT. CODE					463200
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		WEAPON SYSTEM COST ELEMENTS	SUPPORT COSTS	HANDHELD VERSION (COMPUTER)		TOTAL COST	BLI NR.

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	"CODE B" ITEM DESCRIPTION	DESCRIPTION			DATE		
APPROPRIATION/BUDGET ACTIVITY:		Г	P-1 ITEM NOMENCLATURE:	CLATURE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ACTIVITY	4	Q	DATA AUTOMATED COMMUNICATIONS TERMINAL (DACT)	UNICATIONS TERM	IINAL (DACT)	
						RCN:	144124
1. CURRENT DEVELOPMENT AND TEST STATUS	STATUS				SCHEDULE DATE		
		1	CURRENT	LAST REPORTED		REASON FOR DELAY	AY
a. Developmental Test & Evaluation (DT&E)	on (DT&E)	Plan/Actual	SEP 1996				
b. Initial Operational Test & Evaluation (IOT&E)	aluation (IOT&E)	Plan/Actual	SEP 1996				
c. Operational Test & Evaluation (OT&E)	(OT&E)	Plan/Actual	SEP 1996				
d. Available Date of Technical Data Package (TDP)	ata Package (TDP)	Plan/Actual			· <del></del>		
	ons						
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:	R SERVICE USE:	ı	MARCH 1997				
3. EQUIPMENT ITEM(S) TO BE REPLACED:	CED:	AN/PSC-2A DIGI	TAL COMMUNICAN	PSC-2A DIGITAL COMMUNICATIONS TERMINAL (DCT)	T)		
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE	UIPMENT ITEM(S) TO	BE REPLACED:		OFFERS FOR MORE UTILITY AND OPERATIONAL USEFULNESS	TILITY AND OPER	ATIONAL USEFULNE	SS
5. DEVELOPMENT CONTRACT INFORMATION	ION	(RDT&E Funding Profile	ۍ ا	in Millions)			
CONTRACTOR NAME	PLANT LOCATION	COMPONENT			CY (FY1995)	BY (FY1996)	BEYOND BY
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## APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: DATA AUTOMATED COMMUNICATIONS TERMINAL (DACT)

#### SUSTAINMENT

4124		APPROVED ACQUISITION OBJECTIVE
3786	,	TOTAL:
	0	NORWAY AIR LANDED BRIDGADE:
	147	SUPPORT ESTABLISHMENT:
	1023	SELECTED MARINE CORPS RESERVE:
	420	III MARINE EXPEDITIONARY FORCE:
	. 1061	II MARINE EXPEDITIONARY FORCE:
	1135	I MARINE EXPEDITIONARY FORCE:
		INITIAL ISSUE
338		TOTAL:
	111 227	WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT:

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	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
GAINS: *FY BUDGET *OTHER TOTAL		0	0	0	400
LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER TOTAL		0	0	0	0
NET CHANGE (+/-)		0	0	0	400
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE					400
TOTAL \$M VALUE	0	\$	\$	\$	400
% A/O ON HAND/FUNDED	8 0.0	0.0	8 0.0 %	8 0.0	13 &
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	BUDGET ITEM JUSTIFICATION SHEET	FICATION SHEET			DATE		
APPROPRIATION/BUDGET ACTIVITY:			P-1 ITEM NOMENCLATURE:	NCLATURE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	BET ACTIVITY	4		RADIO SYSTEMS		RCN:	0
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	0	0	0	0	0
COST (IN MILLIONS)	\$ 0.0	\$ 0.0	\$ 52.9	\$ 16.2 \$	\$ 54.0 \$	\$ 41.6 \$	7.
This is a roll-up line which contains the following programs:	contains the follow	wing programs:					
		FY97	FY98	FY99	FY00	FY01	
AN/PSC-5 ENHANCED MANPACK	FY97 FV97-FV01	0.0	0 %	0 _	0 0	0 0	
CANS KADIOS 2T-T	FY99-FY01	ų. 0	°. c	7°°°	0 00	0 '	
GROUND MOBILE FORCES	FY98-FY00	, 0	7.4	15.8	18.7	°, °	
BLI NR. 463300			P-1 SHOPE ITEM NO.	SHOPPING LIST PAGE NO.			EXHIBIT P-40
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D. DATE			QTY TOTAL COST	8,006	44,856					(2,023)	C30C3	EXHIBIT P-5	
JRER NAME	MIR	VAKTOUS	FY 1997										
C. MANUFACTURER NAME PLANT CITY/STATE	LOCATION		QTY TOTAL COST							(1,278)			
PULAR NAME	70		FY 1996 UNIT COST										
B. WEAPON MODEL/SERIES/POPULAR NAME	RADIO SYSTEMS	RCN: 0	⊿∼∼							(1,146)			7
B. WEAPON MO			FY 1995 UNIT COST									P-1 SHOPPING LIST ITEM NO. PAGE N	51
N/BUDGET NO:	RINE CORPS	i											
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO:	PROCUREMENT, MARINE CORPS	111111111111111111111111111111111111111											
			IDENT. CODE								1	463300	
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)			WEAPON SYSTEM COST ELEMENTS	AN/PSC-5 ENHANCED MANPACK TERMINAL (EMUT	SINCGARS RADIOS					Initial Spares	TOTAL COST	BLI NR.	

0.0 FY 2001 RCN: 41331 AN/PSC-5 ENHANCED MANPACK UHF TERMINAL (EMUT) 0.0 protocol mandated by the Joint Staff; non-DAMA will not be allowed to communicate by satellite after 30 Sep 96. The AN/PSC-5 provides embedded Communications Security (COMSEC) and encrypted voice and data capabilities, ensuring multi-service interoperability with most existing and planned communications systems. In addition to voice and data, the AN/PSC-5 interfaces facsimile, teletype, NET radio Interface (NRI), and SINCGARS. FY 2000 The AN/PSC-5 is a lightweight, manportable UHF satellite communications (SATCOM) terminal that will provide long-range single channel communications. The AN/PSC-5 incorporates the Demand Assigned Multiple Access (DAMA) 0.0 0 FY 1999 DATE 0.0 PAGE NO. FY 1998 P-1 ITEM NOMENCLATURE: P-1 SHOPPING LIST 8.0 125 FY 1997 ITEM NO 27 BUDGET ITEM JUSTIFICATION SHEET 0.0 1996 FΥ 0.0 0 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY: 463300 645 FY 97: 645 = 100% OF AOACQUISITION OBJECTIVE: COST (IN MILLIONS) BLI NR. QUANTITY

D. DATE	QTY	101AL COST 125 3992	26	33	332	18 203		8006	EXHIBIT P-5
URER NAME STATE MAGNAVOX, TEXAS	FY 1997	31,934	823		11301	11301			
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION MAGNAVOX RICHARDSON, TEXAS	QTY TOTAL COST	TGO TOTOL							
PULAR NAME UHF TERMINAL	FY 1996	1000 1100							
B. WEAPON MODEL/SERIES/POPULAR NAME AN/PSC-5 ENHANCED MANPACK UHF TERMINAL (EMUT)	QTY TOTAL COST								ING LIST PAGE NO.
B. WEAPON MO AN/PSC-5 ENHA (EMUT)	FY 1995 UNIT COST								P-1 SHOPPING LIST ITEM NO. PAGE N 51
ON/BUDGET /NO: ARINE CORPS									
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE COR! BUDGET ACTIVITY 4							•		
	IDENT. CODE	A0917							463300
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM COST ELEMENTS	AN/PSC-5 (EMUT)	SPECIAL TEST EQUIP	FACTORY TRAINING	REMOTE CONTROL UNITS	VEHICLE MOUNTS		TOTAL COST	BLI NR.

	PR	PROCUREMENT HISTORY	ш	& PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY: DROCHBEMENT MARINE CORPS/BUDGET ACTIVITY	ACTIVITY:	>	4		P-1 ITEM NO	P-1 ITEM NOMENCLATURE:	P-1 ITEM NOMENCLATURE: AN/DGC-5 ENHANCED MANDAGE TIDE MEDITANT		(III)	
FROCURENENT, MAKINE C	ONES/BODGEI ACIIVII		7"		AN/FECTO EN	HANCED MAN	ACK OHF TER	_	(EMOT) 41331	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT	II	SPEC REV RORD	IF YES WHEN AVAIL
AN/PSC-5										
FY 97	MAGNAVOX 'RICHARDSON, TX	C/FFP/O	CECOM	DEC 96	APR 99	125	\$31,934	×	z	
REMOTE CONTROL UNITS							•			
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VEHICLE MOUNTS										
FY 97	ROCKWELL	C/FPP/0	MARCORSYS	APR 96	SEP 97	18	\$11,301	*	Z	
REMARKS:										
BLI NR.	463300			P-1 ITEM NO. 51	P-1 SHOPPING LIST	IST PAGE NO.			ЕХНІВІ	EXHIBIT P-5A
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					DATE		
APPROPRIATION/BULYTH ACTIVITY: PROCUREMENT, MARINE COMPS/BUDGET ACTIVITY	r ACTIVITY	4	P-1 ITEM NOMENCLATURE AN/PSC-5	NCLATURE: AN/PSC-5 ENHANCED MANPACK UHF TERMINAL (EMUT)	ANPACK UHF TERN		
1. CURRENT DEVELOPMENT AND TEST STATUS	ST STATUS				SCHEDULE DATE	RCN: (	0
		<b>!</b>	CURRENT	LAST REPORTED		REASON FOR DELAY	
a. Developmental Test & Evaluation (DT&E)		Plan/Actual	NDI				
c. Operational Test & Evaluation (OT&E)	n (101%E)	Flan/Actual   Plan/Actual	MAR96*AUG96**	NA OCT	NOTHERDSPACE	×	
d. Available Date of Technical Data Package (TDP			OCT 92	ocr 92		5	
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:	COR SERVICE USE:		*96 AVM				
3. RQUIPMENT ITEM(S) TO BE REPLACED:		AN/PSC-3, LST-	LST-5C, AN/MRC-140	0			
	1						
용 1	QUIPMENT ITEM (S) TO	TO BK REPLACED: proved COMSEC,	reliability	The AN/PSC-5 will and portability.	have DAMA protocol	ocol capability	
5. DEVELOPMENT CONTRACT INFORMATION		(RDT&E Funding	ofile - \$	\$ in Millions)			
CONTRACTOR NAME	PLANT LOCATION	COMPONENT		THROUGH PY (FY-2)	CY (FY-1)	BY (FYO)	BEYOND BY
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REMARKS: *ASU WILL BE BASED ON 1ST ARTICLE TEST ( ** AUTHORIZES THE INITIAL MATERIAL RELEASE OF THE	1ST ARTICLE TEST CO AL RELEASE OF THE RA	COMPLETED IN MAR RADIOS.	AR 95.				
BLI NR 463300			n 1 640	ייייי בייי בייי			
			0.	PAGE NO.			EXHIBIT P-19
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# APPROVED ACQUINTION OBJECTIVE

PROGRAM NAME: PSC-5

#### SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:	92 118	210
INITIAL ISSUE		
I MARINE EXPEDITIONARY FORCE: II MARINE EXPEDITIONARY FORCE: III MARINE EXPEDITIONARY FORCE: SELECTED MARINE CORPS RESERVE: SUPPORT ESTABLISHMENT: NORWAY AIR LANDED BRIGADE: TOTAL:	151 151 109 22 2	435
APPROVED ACQUISITION OBJECTIVE		645

	ASSET DYNAMICS	ICS	D	DATE:	
O TOO O VIOLENTE			AN/PSC-5 ENHANCED MANPACK UHF	ANPACK UHF TERMINAL	, (EMUT)
TAMCN/DODIC:	A0917	RCN: 04	041311		i
ACQUISITION OBJECTIVE:	645				
	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
GAINS: *FY BUDGET *OTHER TOTAL		0	0	440	125
LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER TOTAL		0			
NET CHANGE (+/-)		0		440	125
ASSET POSITION:     *STD SERVICEABLE     *STD UNSERVICEABLE     *SUB UNSERVICEABLE	08	08	80	520	645
TOTAL \$M VALUE	80	\$ 3.0	\$ 3.0	\$ 17.2	645
% A/O ON HAND/FUNDED	12 %	12 %	12%	<b>8</b> L9	100 %
COMMENTS:			FY 0 RECOMMENDED BUY	BUY - QUANTITY: VALUE: BUY - QUANTITY: VALUE:	\$ 440 \$ 14.2 M 125 \$ 8.0 M
BLI NR. 463300		P-1 SHOPP ITEM NO. 51 -	SHOPPING LIST PAGE NO.		EXHIBIT P-20A

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0.0 2001 The SINCGARS radio will be used as the primary means of communication for command and control as well as fire support on the battlefield. SINCGARS will be highly reliable with over 1250 hours mean time between failure (MTBF) and built-in test equipment will ease the workload. Frequency hopping capability offers low probability of intercept, while integrated COMSEC deletes 043638 The SINCGARS radio will replace all AN/PRC-77 manpack, Bancroft, and AN/VRC-12 family of vehicular radios currently in the Marine Corps inventory. RCN: FY 2000 0 FY 1999 DATE 0 PAGE NO. FY 1998 SINCGARS P-1 ITEM NOMENCLATURE: P-1 SHOPPING LIST FY 1997 ITEM NO. Acquisition Objective (AO) = 25390 the requirement for external communications security equipment. BUDGET ITEM JUSTIFICATION SHEET 0 FY 1996 0 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 21519 = 85% of AO 25390 = 100% APPROPRIATION/BUDGET ACTIVITY: The SINCGARS radio is Code A. Prior Years FY 97-01: QUANTITY

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		ACTIVITY TITLE/NO:	B. WEAPON FO	圙	ULAR NAME	C. MANUFACTURER NAME PLANT CITY/STATE	JRER NAME STATE	D. DATE
		PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4	SINCGARS	RCN: 043638			- -	
WEAPON SYSTEM COST ELEMENTS	IDENT.		FY 1995 UNIT COST	QTY TOTAL COST	FY 1996	TOTAL COST	FY 1997	YTQ
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								375
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	- Company de la company de la							
					- 12-271			
<del></del>								
Initial Spares		37.110						(2,023)
Active Component								(14,033)
Reserve Component								(30,823)
TOTAL COST				0		0		44856
BLI NR.	463300		P-1 SHOPPING LIST ITEM NO. PAGE N	0				EXHIBIT P-5
			- 51	2				

APPROPRIATION/BUDGET ACTIVITY:	ACTIVITY:	PROCUREMENT HISTORY	ISTORY & PL	& PLANNING	P-1 ITEM NO	ITEM NOMENCLATURE:		DATE:		
CUREMENT, MAKINE C	OKPS/BUDGET ACTIVITY		4		SINCGARS				043638	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT		SPEC REV RQRD	IF YES WHEN AVAIL
97	IIT, FORT WAYNE, IN FORT WAYNE INDIANA	о Б Б	CECOM	MAR 97	JUN 98	3871	8 9			e/n
REMARKS:	UNIT COST DOES NOT INCLUDE NAVY COMSEC FUNDING. UNIT COST IS AN AVERAGE OF THE UNIT COST FOR VARIOUS CONFIGURATIONS OF THE SINCGARS RADIO.	INCLUDE NAV	Y COMSEC FU : UNIT COST	NDING. FOR VARIOUS	CONFIGURAT	IONS OF THE	SINCGARS R	ADIO.		
BLI NR.	463300			P-1 ITEM NO. 51	SHOPPING LIST	ist Page no. (3			EXHIBIT P-5A	T P-5A

## APPROVED ACQUISITION OBJECTIVE

### PROGRAM NAME: SINCGARS

#### SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT:	DEPOT MAINTENANCE FLOAT:	TOTAL:

#### INITIAL ISSUE

I MARINE EXPEDITIONARY FORCE: II MARINE EXPEDITIONARY FORCE: III MARINE EXPEDITIONARY FORCE: SELECTED MARINE CORPS RESERVE: SUPPORT ESTABLISHMENT: NORWAY AIR LANDED BRIGADE: TOTAL:
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APPROVED ACQUISITION OBJECTIVE:

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	-		11								 	
			FY 2001		50.4						, (	EXH EXH
		NTROL SYSTEMS RCN: 0	FY 2000		48.5 \$		FY01	ဘ က ထ	37.2			
DATE		SWITCHING & CO	FY 1999		\$ 8.65		FY00	14.9	28.8			
	CLATURE:	COMMUNICATIONS SWITCHING & CONTROL SYSTEMS RCN:	FY 1998	0	42.4 \$		FY99	20.8	34.3	,		ING LIST PAGE NO.
	P-1 ITEM NOMENCLATURE:		FY 1997	0	16.9		FY98	14.8	23.1			P-1 SHOPPING LIST ITEM NO. PAGE
FICATION SHEET		4	FY 1996	0	\$ 0.0 \$	dng programs:	FY97	0	0 4			
BUDGET ITEM JUSTIFICATION SHEET		ACTIVITY	FY 1995	0	\$ 0.0	tains the following	FV07	FY98-FY01	FY98-FY01 FY97-FY01			
BU	APPROPRIATION/BUDGET ACTIVITY:	PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY		QUANTITY	COST (IN MILLIONS)	This is a roll-up line which contains	HORIMS FINDER SEVEL FINE	DIGITAL TECH CONTROL	TACTICAL DATA NETWORK DEFENSE MESSAGE SYSTEM			BLI NR. 463400

## Reproduced From Best Available Copy

The state of the	* ***	j## _		-			 			_	
D. DATE	OT.	1/2 524	4,398	À	,			(2,880)		EXHIBIT P-5	
JRER NAME STATE VARIOUS	FY 1997	UNIT COST									
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS	QTY TOTAL	TOTAL COST						(17,752)			
ULAR NAME	FY 1996	I GOO I THE			· · · · · · · · · · · · · · · · · · ·						
B. WEAPON MODEL/SERIES/POPULAR NAME COMMUNICATIONS SWITCHING & CONTROL SYSTEMS RCN: 0	QTY TOTAL COST							(458)	O	Ι,	PAGE NO.
B. WEAPON MOI COMMUNICATIC SYSTEMS RC	PY 1995 UNIT COST		***************************************	V		-	 •			P-1 SHOPPING LIST	ITEM NO. 52 -
4/BUDGET 40: AINE CORPS 4								1			
A. APPROPRIATION/BUDGET ACTIVITY TIFLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4											
	IDENT. CODE									463400	
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM COST ELEMENTS	UNIT LEVEL CIRCUIT SWITC	DEFENSE MESSAGE SYSTEM					Initial Spares	TOTAL COST	BLI NR.	

The Proceedings (for

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0.0 FY 2001 The ULCS Product Improvement Program (ULCS PIP) will begin in FY-97. The ULCS PIP adds a variety of interoperability enhancements that improve the general usefulness and flexibility when employed in joint networks. These improvements include a line termination interface with the secure terminal unit (STU-III), the addition of a highly stable atomic timing standard to improve joint interoperability, increasing the capacity of the inter-nodal buffer to correct satellite delay problem, and a commercial office interface for the SB-3865. 041063 The Unit Level Circuit Switch (ULCS) System is a family of Tri-Service Tactical Communications digital voice and data switching equipment consisting of AN/TTC-42 (280 Line), and various digital telephones and multiplexers that provide an automatic secure telephone capability to the field. The ULCS system replaced the analog switching and terminal equipment including AN/TTC-38 RCN: FY 2000 AN/TTC-42, AUTOMATIC CENTRAL OFFICE TELEPHONE Unit Level Circuit Switch PIP Ś 0.0 SB-3865, AUTOMATIC TELEPHONE SWITCHBOARD FY 1999 DATE 0.0 0 AN/TTC-42 Telephone Central & SB-3865 Tactical Switchboard NO. SB-3865: 0 = 0% OF AO SB-3865: 425 = 100% OF AO 1998 FY 1997 5.446 7.078 P-1 SHOPPING LIST
NO. PAGE 12.524 P-1 ITEM NOMENCLATURE FY END ITEM/FACILITY ŧ∕}-(\$ IN MITTIONS) SB-3865 = 42512.5 0 FY 1996 FY 1997 ITEM NO FY 1995 0.0 NOV 98 DEC 98 NOV 98 BUDGET ITEM JUSTIFICATION SHEET 0 INSTALLATION AN/TTC-42: 61 = 100% OF AO FY 1996 0 = 0% OF AO BEGIN: END: BEGIN: END: FY 1994 0.0 AN/TTC-42 = 611995 AN/TTC-42: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY INSTALLING AGENT MODELS OF SYSTEMS AFFECTED: APPROPRIATION/BUDGET ACTIVITY ACQUISITION OBJECTIVE (A/O): 463400 AN/TTC-42 MOD KIT FIELD SB-3865 MOD KIT FIELD MODIFICATION TITLE COSL (IN WILLIONS) BLI NR. FY 96 AND PRIOR: FY 97: ULCS PIP TOTAL and SB-3082 QUANTITY ULCS PIP MOD

52

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4	B. WEAPON MO UNIT LEVEL C	B. WEAPON MODEL/SERIES/POPULAR NAME UNIT LEVEL CIRCUIT SWITCH (ULCS) RCN: 041063	PULAR NAME (ULCS)	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION TO BE DETERMINED	URER NAME STATE	D. DATE
WEAPON SYSTEM IDENT.		FY 1995	OTY	FY 1996	νψO	FY 1997	AHO
		UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST
ULCS PIP							
AN/TTC-42 Mod Kit							61
SB-3865 Mod Kit							5,328 425
NONRECURRING COSTS						16,377	096'9
Technical Data Supporting Equipment Engineering Travel							120 26 75
							ST
			- Company				
Initial Spares			(458)	***************************************	(17,752)		(2,880)
Active Component							(10,280)
Reserve Component							(2,244)
			0		0		12524
BLI NR. 463400		P-1 SHOPPING LIST	ING LIST				EXHIBIT P-5
		ITEM NO.	PAGE NO.				
		52 -	ヹ				

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	Id	PROCUREMENT HISTORY	ISTORY & PLA	& PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:					P-1 ITEM NO	ITEM NOMENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ORPS/BUDGET ACTIVIT	. Yu	4		Unit Level	Unit Level Circuit Switch PIP	tch PIP			
									041063	
LINE THEM	CONTRACTOR	CONTRACT	CONTRACTED	ПЯВМА	DATE OF		TINII	SPECS		IF YES
FISCAL YEAR	LOCATION	AND TYPE	BY	DATE	DELIVERY	QTY	COST	NOM	RQRD	AVAIL
AN/TTC-42 MODIFICATION KIT	4 KIT									
FY-97	UNKNOWN	C/FCP-RPR	SYSCOM	JAN 97	OCT 97	61	87,344	ON.	N/A	N/A
SB-3865 MODIFICATION	ХІТ									
FY-97	ÜNKNOWN	C/FCP-RPR	SYSCOM	JAN 97	OCT 97	425	16,377	ON	N/A	N/A
REMARKS:										
BLI NR.	463400			P-1 ITEM NO.	знор	IST PAGE NO.			ЕХНІВІ	EXHIBIT P-5A
				52	-	2				

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#### INDIVIDUAL MODIFICATION

MODIFICATION TITLE:

Unit Level Circuit Switch Product Improvement Program (ULCS PIP)

MODELS OF SYSTEMS AFFECTED:

AN/TTC-42 Automatic Central Office Telephone

DESCRIPTION/JUSTIFICATION:

The ULCS PIP will add a range of capabilities to the ULCS family of circuit switches that provide improved joint/strategic interoperability and greater network flexibility. Included are a STU-III telephone interface, an atomic timing standard, and an increased number of commercial interfaces. The modification kits will consist of circuit card assemblies and a new revision of software.

MAJOR DEVELOPMENT MILESTONES: A contr

DEVELOPMENTAL STATUS/

A contractor will be competitively selected to produce the modification components based on Government furnished prototypes and drawings.

FINANCIAL PLAN: (\$ in Millions)

TOTAL	S XIC
O COMP	<b>5</b> γ
5 5	OTY
TY 2000	ŧ0ŧ
FY	OTY
FY 1999	₹O¥
걾	OTY
Y 1998	₩
ΕX	OTY
Y 1997	₹O÷
FY	OIX
'Y 1996	₹O¥
EX	OTY
Y 1995	-o¥
FX	OIX

PROCUREMENT

Kit Quantity
Installation Kits
Install. Kits Nonrecurring
Equipment
Equipment Nonrecurring
Engineering Change Orders
Data
Training Support

Interim Contractor Support

Support Equipment

5.328 0.060 0.013

0.045

0.000 0.000 0.000 0.000 0.000 0.013 0.045

0.000

61

61

EXHIBIT P-3A INDIVIDUAL MODIFICATION

25-6

	FY 1995 OTY \$	FY 1996 OTY \$	FY 1997 OTY \$	FY 1998 OTY \$	FY 1999 OTX \$	FY 2000 OTY \$	TO COMP	TOTAL QTX \$	
INSTALLATION OF HARDWARE									
(FY 1995) Eqpt ( Kits) (FY 1996) Eqpt ( Kits) (FY 1997) Eqpt ( Kits) (FY 1998) Eqpt ( Kits) (FY 1999) Eqpt ( Kits) (FY 2000) Eqpt ( Kits) (TO COMP) Eqpt ( Kits)								00.000000000000000000000000000000000000	·
TOTAL INSTALLATION COST	0 0.000	0 0.000	0 0.000	0 0.000	000.0	000.000	000.000	0.000	
TOTAL PROCUREMENT COST	000.0	0.000	5.446	0.000	0.000	0.000	00000	5.446	
METHOD OF IMPLEMENTATION: Field Installed		ADMIN LEAD-TIME:		3 MONTHS	PRO	PRODUCTION LEAD-TIME:		9 MONTHS	
CONTRACT DATES:	FY 1996		FY 1997	JAN 97					
DELIVERY DATES:	FY 1996		FY 1997_	OCT 97					
INSTALLING SCHEDULE:	FY 1995 FY 1	<u>1996</u> 3 4	FY 1997	FY 1998	88 4	FY 1999	FY 2000	TOTAL	
INPUT									
ООТРОТ									

EXHIBIT P-3A INDIVIDUAL MODIFICATION

## INDIVIDUAL MODIFICATION

Unit Level Circuit Switch Product Improvement Program (ULCS PIP) MODIFICATION TITLE:

MODELS OF SYSTEMS AFFECTED:

SB-3865 Automatic Telephone Switchboard

DESCRIPTION/JUSTIFICATION:

The ULCS PIP will add a range of capabilities to the ULCS family of circuit switches that provide improved joint/strategic interoperability and greater network flexibility. Included are a STU-III telephone interface, an atomic timing standard, and an increased number of commercial interfaces. The modification kits will consist of circuit card assemblies and a new revision of software.

DEVELOPMENTAL STATUS/ MAJOR DEVELOPMENT MILESTONES:

A contractor will be competitively selected to produce the modification components based on Government furnished prototypes and drawings.

FINANCIAL PLAN: (\$ in Millions)

COTAL	*0*
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FY	OTY
FY 1999	₹O¥
FY	OTY
X 1998	₹O\$
FY	OTY
X 1997	€O}
EX	OTY
X 1996	ŧ∨ŧ
EX	OIX
Y 1995	<b>4</b> 0¥
FY	OTY

PROCUREMENT

Kit Quantity
Installation Kits
Install. Kits Nonrecurring
Equipment
Equipment Nonrecurring
Engineering Change Orders
Data
Training Support
Support Equipment
Other
Interim Contractor Support

	0.000	0.000	096.9	0.000	0.000	0.060	0.000	0.013	0.045	0.000
425										
		;	096.9			0.060	;	0.013	145	
425		,	9			0.0		0.0	0.0	

25- 8

COTAL	·O
707	OTY
OMP	ŧoŧ
TO COM	OTY
000	₩
FY 2000	OTY
2	₩
FY 199	OTY
co)	₩
FY 1998	SIX OI
7	<b>₩</b>
FY 1997	OTY
9	₹O÷
FY 1996	OTY
ια	<b>4</b> 0¥
FY 1995	XIO.

INSTALLATION OF HARDWARE

(FY 1995) Eqpt ( Kits) (FY 1996) Eqpt ( Kits) (FY 1997) Eqpt ( Kits) (FY 1998) Eqpt ( Kits) (FY 1999) Eqpt ( Kits) (FY 2000) Eqpt ( Kits) (TO COMP) Eqpt ( Kits)								000000	0.000
TOTAL INSTALLATION COST	0 0.000	0 0.000	000.00	0 0.000	000.000	000.000	000.000	0	0.000
TOTAL PROCUREMENT COST	0.000	000.0	7.078	0.000	0.000	0.000	0.000		7.078
METHOD OF IMPLEMENTATION: Field Installed CONTRACT DATES:	FY 1996	ADMIN LEAD-TIME:_	7	3_MONTHS 997 JAN 97	PROD	PRODUCTION LEAD-TIME:	E	9 MONTHS	

OCT 97

FY 1997

FY 1996

DELIVERY DATES:

EXHIBIT P-3A INDIVIDUAL MODIFICATION

OUTPUT

4.9 0 FY 2001 144028 4.8 RCN: FY 2000 DEFENSE MESSAGE SYSTEM (DMS) 4.7 0 FY 1999 DATE 4.5 0 FY 1998 P-1 ITEM NOMENCLATURE: 4.4 0 FY 1997 v 0.0 BUDGET ITEM JUSTIFICATION SHEET 0 FY 1996 0.0 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY: COST (IN MILLIONS) QUANTITY

Local factountable and reliable messaging service. Using the Defense Information System Network (DISN) Infrastructure/Global Grid for worldwide connectivity, DMS provides value-added X.400 Messaging and X.500 Directory services for DoD organizations and individuals. DMS will be interoperable across multiple vendor platforms and centrally managed by DISA. DMS will replace the current AUTODIN system and will be implemented through the use of Marine Corps acquired computer hardware and software. Local area networks and wide area networks (LANS/WANS) will distribute both organizational and individual electronic messages. The Defense Message System (DMS) consists of all hardware, software, procedures, and standards necessary to exchange nessages electronically between organizations and individuals in the DoD. The vision of DMS is to provide secure,

PAGE NO. P-1 SHOPPING LIST ITEM NO.

52

EXHIBIT P-40

463400

D. DATE	TOTAL COST	4,398	4398	EXHIBIT P-5
FRER NAME STATE	FY 1997 UNIT COST			
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION LORAL FEDERAL SYSTEMS	QTY TOTAL COST		0	
12	FY 1996 UNIT COST			
B. WEAPON MODEL/SERIES/POPULAR NAME DEFENSE MESSAGE SYSTEM (DMS) RCN: 144028	QTY TOTAL COST		0	PAGE NO.
B. WEAPON MO DEFENSE MESSA	FY 1995 UNIT COST			P-1 SHOPPING LIST ITEM NO. PAGE N 52 - //
ION/BUDGET E/NO: MARINE CORPS TY 4			-	
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE COR: BUDGET ACTIVITY 4				
	IDENT. CODE			463400
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM COST ELEMENTS	DEFENSE MESSAGE SYSTEM Hardware/Software	TOTAL COST	BLI NR.

		PROCUREMENT HISTORY	હ	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDG	APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ž.	4		P-1 ITEM NC DEFENSE MES	P-1 ITEM NOMENCLATURE: DEFENSE MESSAGE SYSTEM	(DMS)			
	TOMO LUMINOS							RCN:	144028	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT	SPECS AVAIL NOW	SPEC REV RQRD	IF YES WHEN AVAIL
DEFENSE MESSAGE SYSTE	LORAL FED SYSTEMS	C/FFP	ITAC	JAN 97	FEB 97	VARIOUS	4,398,000	ΥES	NO NO	M/A
REMARKS:										
BLI NR.	463400			P-1 ITEM NO. 52	SHOPPING LIST PA	IST PAGE NO.			EXHIBIT P-5A	T P-5A
			<u></u>			7				

BUDGET ITEN		JUSTIFICATION SHEET			DATE		
APPROPRIATION/BUDGET ACTIVITY:	Y:		P-1 ITEM NOMENCLATURE:	WCLATURE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	DGET ACTIVITY	4		TELE/COMM INF	RASTRUCTURE TE	TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT	E
						RCN:	RCN: 144088
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	0	0	0	0	0
COST (IN MILLIONS) \$	\$ 0.0	0.0	\$ 53.6	\$ 22.6 \$	\$ 16.1	\$ 16.1	\$ 15.6

The overall objective is to achieve modernization and increase processing capacity, both of which are required to allow continued operation of existing automated information systems (AIS) and the implementation of new corporate information management (CIM) automated information systems to support all functional areas. The Marine Corps has a continuing need to upgrade its computer equipment and system software by replacement or augmentation in order to keep pace with user demands and changing technology. The Marine Corps ADP program is an aggregation of inter-related data processing disciplines.

# . NETWORKING INFRASTRUCTURE

The Marine Corps ADP support is comprised of several components including small system computer equipment, proprietary system This support environment was recompled. For the foreseeable future, legacy system ADP support will be provided to the Fleet Marine Forces and supporting establishments by the Defense Mega-Center (DMC) in St. Louis, Missouri. This support structure emphasizes distributed computing capabilities in a client-server architecture. In addition, there is an ongoing requirement to maintain the Marine Corps enterprise network infrastructure to support DOD sponsored and Marine Corps unique client-server applications. Types of equipment purchased include routers for NIPRNET, SIPRNET, and DOD migration systems, high level security software (fire walls), network management software tools, file servers, and enterprise backup-restore software. This line was formerly identified as two separate lines (Regional Computing and System Software); the lines were consolidated to better accommodate emerging software products, the Marine Corps-wide Standard Network Operating System, and mainframe connectivity. technology.

FY 94-96 PROCUREMENT IN BLI 494200.

FUNDING PROFILE

FY95 FY96 FY97

0 0 16,925

EXHIBIT P-40 PAGE NO. P-1 SHOPPING LIST ITEM NO. 23 463500 BLI NR.

BUDGET ITEM JUSTIFICATION SHEET	
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 4	P-1 ITEM NOMENCLATURE: TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT RCN: 144088
2. TACTICAL SYSTEM SUPPORT EQUIPMENT	
Required equipment and support for the Marine Corps Tact (LCSS) for tactical systems. Investment items are essential data systems that are fielded.	Required equipment and support for the Marine Corps Tactical System Support Activity efforts on Life Cycle Software Support SS) for tactical systems. Investment items are essential to form the basis of software support for the Marine Corps tactical systems that are fielded.
FI 94-96 PROCOREMENT IN BLI 494200.	
	FUNDING PROFILE
	FY95 FY96 FY97
	0 0 1,187
BLI NR. 463500	P-1 SHOPPING LIST  ITEM NO. PAGE NO.
	1

BUDGET ITEM JUSTIFICATION SHEET	DATB
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 4	Ę
3. MANPOWER AND RESERVE AFFAIRS ADP	KCN: 144088
This centrally managed program will replace outdaed ADP equipment. math models in-house. Currently manpower pays teleprocessing fees to also purchase compact disk read-only memory players that will transfor read capability to the field	<pre>Ged program will replace outdaed ADP equipment. This program will buy a computer to run manpower Currently manpower pays teleprocessing fees to a vendor to operate these models. This program will lisk read-only memory players that will transform documents from paper to electronic formats by providing field</pre>
FY 94-96 PROCUREMENT IN BLI 494200.	
	FUNDING PROFILE
	FY95 FY96 FY97
	0 0 191
BLI NR. 463500	1 SHOP
	, - EG

BUDGET ITEM JUSTIFICATION SHEET	DATE
APPROPRIATION/BUDGET ACTIVITY:	P-1 ITEM NOMENCLATURE:
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 4	TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT RCN: 144088
4. ELECTRONIC DATA INTERCHANGE (EDI)	
'Implementation of EDI in DoD' calls for an aggressive productionated exchange of electronic forms, instead of paper. The procedural bottlenecks corrected, and overhead costs reduced. necessary to transmit information electronically.	an aggressive program to implement EDI in the next five years. EDI is the sad of paper. Through EDI, the Marine Corps' basic business systems can be modernized, ad costs reduced. This initiative would cover the costs of the computer and software ally.
FY 94-96 PROCUREMENT IN BLI 494200.	
	FUNDING PROFILE
	FY95 FY96 FY97
	0 0 75
BLI NR. 463500	SHOPPING
	TITEM NO. PAGE NO.

EXHIBIT P-40 144088 Provides the Marine Corps the abiity to process, store, and retrieve official military personnel files for all active and reserve Marines in an Optical Digital Imaging (ODI) format. The use of this advanced technology will reduce the current cost of maintaining these records, virtually eliminate their loss, and provide multiple users simultaneous access. An initial investment of \$5M in PMC (in addition to an increase of \$3M over the current O&MMC level of funding) in this ODI technology will save approximately \$46M in operating expenses over a 10-year life cycle. P-1 ITEM NOMENCLATURE: TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT RCN: LIST PAGE NO. FY97 851 P-1 SHOPPING ITEM NO. FUNDING PROFILE FY96 0 23 FY95 BUDGET ITEM JUSTIFICATION SHEET PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY OPTICAL DIGITAL IMAGING (ODI-RMS) FY 94-96 PROCUREMENT IN BLI 494200. APPROPRIATION/BUDGET ACTIVITY 463500

JRISS will automate all business processes associated with recruiting from high level mission planning at the headquarters to prospecting at the canvassing recruiter level. Some of the benefits include one-time data entry, forms generation, automated activity reporting, Delayed Entry Program (DEP) tracking, enlistment criteria expert system, electronic distribution of leads, and electronic interface with MEPS, other services, and relevant outside agencies. JRISS will be a joint system with all services sharing standardized data definitions in a distributed database. JRISS service specific front-end user interfaces will support the unique recruiting practices of each armed service. EXHIBIT P-40 144088 P-1 ITEM NOMENCLATURE:
TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT RCN: DATE P-1 SHOPPING LIST I NO. PAGE NO. 8,627 FY97 FUNDING PROFILE FY96 0 ITEM NO. FY95 0 BUDGET ITEM JUSTIFICATION SHEET JOINT RECRUITING INFORMATION SUPPORT SYSTEMS (JRISS) APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY FY 94-96 PROCUREMENT IN BLI 494200. 463500

23

EXHIBIT P-40 144088 ATLASS involves the migration of Marine Corps intermediate and consumer level supply and maintenance systems in a personal computer application, in a networked client-server environment, using a Graphical User Interface (GUI) and a shared database. This system will dramatically improve access to supply and maintenance functions at all levels, and fill critical operational requirements for a deployable, integrated supply and maintenance system. P-1 ITEM NOMENCLATURE: TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT DATE P-1 SHOPPING LIST 4 NO. PAGE NO. 5,368 FY97 FUNDING PROFILE FY96 0 ITEM NO. 23 FY95 0 BUDGET ITEM JUSTIFICATION SHEET ASSET TRACKING LOGISTICS AND SUPPLY SYSTEM (ATLASS) APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 463500 BLI NR.

EXHIBIT P-40 144088 Provides funding to upgrade and replace telephone systems at Marine Corps bases and stations. Upgrading is accomplished to maintain the software level required for vendor support, expand the system, and to add new capability such as voice mail, automated attendant, and data switching. Replacement is accomplished when telephone switches are technologically obsolete, are no longer logistically supportable, or are not capable of being expanded to meet requirements. P-1 ITEM NOMENCLATURE:
TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT RCN: P-1 SHOPPING LIST
M NO. PAGE NO. 9,372 FY97 FUNDING PROFILE FY96 0 ITEM NO. FY95 0 BUDGET ITEM JUSTIFICATION SHEET APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY FY 94-96 PROCUREMENT IN BLI 644400. TELEPHONE SWITCHING SYSTEM 463500 BLI NR.

23

Provides funding to acquire and install the systems which are used to transport voice, data, images, and video aboard Marine Corps bases and stations. Transmission systems also provide the capability to access worldwide DISN networks including the Nonsecure Internet Protocol Network (NIPRNET), Defense Switched Network (DSN), Joint Warfighter Intelligence Communications System (JWICS), Defense Message System (DMS), Global Command and Control System (GCCS), and tactical systems in support of the Fleet Marine Forces. Equipment includes fiber optic systems, copper cables, and multiplexors including Synchronous Optical Network (SONET) technology and Asynchronous Transfer Mode (ATM) switches. EXHIBIT P-40 144088 P-1 ITEM NOMENCLATURE: TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT RCN: P-1 SHOPPING LIST I NO. PAGE NO. 11,020 FY97 FUNDING PROFILE FY960 ITEM NO. 23 FY95 0 BUDGET ITEM JUSTIFICATION SHEET APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY FY 94-96 PROCUREMENT IN BLI 644400 463500 TRANSMISSION SYSTEMS BLI NR.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO:	N/BUDGET	B. WEAPON MO	B. WEAPON MODEL/SERIES/POPULAR NAME	ULAR NAME	C. MANUFACTURER NAME	RER NAME	D. DATE
		PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4		TELE/COMM INF SUPPORT	TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT RCN: 144088	CHNOLOGY	LOCATION VARIOUS	3	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE	UNIT COST	QTY TOTAL COST	FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	OTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST
NETWORKING INFRASTRUCTURE									16925
TACTICAL SYSTEMS SUPPORT									1187
M&RA ADP									191
EDI									75
ODI-RMS									851
JRISS									8627
ATLASS									5368
TELEPHONE SWITCHING SYSTEM									9372
TRANSMISSION SYSTEM									11020
	•								
			771114						
TOTAL COST			0		0		C		53616
BLI NR.	463500			P-1 SHOPPING LIST					EXHIBIT P-5
				NO.	PAGE NO.				
			الس	53 –	)				

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	PF	PROCUREMENT HISTORY	ته	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:	ACTIVITY:				P-1 ITEM NOMENCLATURE	MENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ORPS/BUDGET ACTIVIT	¥.	4		TELE/COMM I	NFRASTRUCTU)	TELE/COMM INFRASTRUCTURE TECHNOLOGY SUPPORT	GY SUPPO	ORT	
									144088	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	УТУ	UNIT	SPECS AVAIL NOW	SPEC REV RQRD	IF YES WHEN AVAIL
1. NETWORKING INFRASTRUCTURE FY97	TRUCTURE UNKNOWN	C/FFP	SYSCOM	JAN 97	MAR 97	VARIOUS	16,925,000*YES		NO	N/A
2. TACTICAL SYSTEM SUPPORT EQUIPMENT FY 97	UPPORT EQUIPMENT UNKNOWN	C/FFP	MCBCAMPEN	JAN 97	APR 97	VARIOUS	1,187,000*YES		ON.	N/A
3. M&RA ADP FY 97	UNKNOWN	C/FFP	LBC	JAN 97	MAY 97	VARIOUS	191,000*YES	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	NO	N/A
4. EDI FY 97	UNKNOWN	C/FFP	LBC	JAN 97	MAR 97	VARIOUS	75,000*YES		ON	N/A
5. ODI-RMS FY 97	UNKNOWN	C/FFP	гвс	JAN 97	MAR 97	VARIOUS	851,000*YES		ON	N/A
6. JRISS FY 97	UNKNOWN	C/FFP	ARMY	JAN 97	APR 97	VARIOUS	8,627,000*YES		NO NO	N/A
7. ATLASS FY 97	UNKNOWN	C/FFP	LBC	JAN 97	APR 97	VARIOUS	5,368,000*XES		NO	N/A
8. TELEPHONE SWITCHING SYSTEMS FY 97 CAMP LEJEUNE (RPL) GTE, CHANT 29 PALMS (UPGRD) UNKNOWN	ILLY,	VA C/FFP C/FFP	ARMY/MTMP USMC	JAN 97 JAN 97	APR 97 MAR 97	ਜਜ	9,014,000	YES D	NO NO	N/A N/A
9. TRANSMISSION SYSTEMS FY 97 CAMP LEJEUNE GTE 29 PALMS	, CHANTILLY,	VA C/FFP VA C/FFP	ARMY/MTMP ARMY/MTMP	JAN 97 JAN 97	MAR 97 MAR 97	ਜਜ	10,854,000	YES I	NO NO	N/A N/A
REMARKS:										

\* Various items are purchased for these programs. Unit cost represents total cost for the program.

463500

BLI NR.

P-1 SHOPPING LIST ITEM NO. PA 23

PAGE NO.

EXHIBIT P-5A

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10.5 EXHIBIT P-40 2001 147239 will incorporate selected automation and existing hardware from the AN/TSQ-155(V), Improved Direct Air Support Central (IDASC), Modifications programmed and budgeted under this line are for the purpose of correcting equipment deficiencies noted after new items are fielded or to increase operational capabilities of non-telecommunications end items previously fielded. The Direct Air Support Central (DASC) Product Improvement Program (PIP) is a non-developmental effort which COMSEC cables will interface with various communications and the OE-334 Antenna Coupler Group into lightweight, highly mobile shelters. Improved capabilities include automated interfaces to the Digital Communications Terminal (DCT), Advanced Tactical Air Command Central (ATACC), Position Location Reporting System (PLRS), Advanced Field Artillery Tactical Data System (AFATDS), and Tactical Combat Operations (TCO). The COMSEC Cable line is in support of various security systems being fielded including the KY-99 MINTERM, the Electronic 5.8 RCN: This funding profile includes radar modifications which improve mean time between failure rates and enhance performance FY 2000 MODIFICATION KITS (MAGTF C41) 0 FY 1999 devices to include radios, switches, and computers and will provide secure transmissions at all times. DATE 2.1 0 PAGE NO. 1998 99 97 P-1 SHOPPING LIST P-1 ITEM NOMENCLATURE: SEP FY BEGIN SEP 98/END BEGIN OCT 95/END BEGIN OCT 93/END 43.4 0 INSTALLATION FY 1997 ITEM NO Key Management System, the Data Transfer Device, and the STU-III. ₩ 0.0 BUDGET ITEM JUSTIFICATION SHEET 0 FY 1996 INSTALLATION AGENT 0.0 C FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY FIELD FIELD FIELD APPROPRIATION/BUDGET ACTIVITY 463600 AN/TPS-59 RADAR MOD (97) COST (IN MILLIONS) characteristics. BLI NR IDASC PIP IDASC PIP QUANTITY MOD

мерром суспем сост		Tabella Appropriation/Biling	ON NOGRAM G	mark dringod/perdes/ jedom Modyan d	TWAN GA IIIG			
ANALYSIS EXHIBIT (P-5)		ACTIVITY TITLE/NO:	b. WEAFON MO	DEL/ SERIES/ FU.	FULAR NAME	DLANT CITY/STATE	KEK NAME	D. DATE
			MODIFICATION -	MODIFICATION KITS (MAGTF C41) 147239	41)	LOCATION VARIOUS	91416	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE		FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	OTY TOTAL COST	FY 1997 UNIT COST	QTY TOTAL COST
AN/TPS-59 ECPs AN/TPS-59 Tactical Missile Defense (TMD)	Д						4.788.898	7 33522
Modification Kit Production Upgrade Kits								2
Travel Government Support ILS Data							1,231,238	2462 100 250 240
SUBTOTAL AN/TPS-59								38774
COMSEC CABLES					·			478
Contractor Support Travel New Equipment Training				- K (II - 1222				53 10
SUBTOTAL COMSEC CABLES								553
				A day				
TOTAL COST								
BLI NR	463600		P-1 SHOPPING LIST ITEM NO. PAGE N	ING LIST PAGE NO.				EXHIBIT P-5
		1	54 -	n				

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO:	B. WEAPON MO	B. WEAPON MODEL/SERIES/POPULAR NAME	PULAR NAME	C. MANUFACTURER NAME	JRER NAME	D. DATE
		PROCUREMENT, MARINE CORPS BUDGET ACTIVITY	MODIFICATION KITS (MAGTF C41)	KITS (MAGTF C	41)	LOCATION	STATE	
l man						VAKIOUS		
WEAPON SYSTEM COST ELEMENTS	IDENT.		FY 1995 UNIT COST	QTY TOTAL COST	FY 1996	QTY POWAT COSM	FY 1997	YTQ
DASC (OPS SHELTER) Downsizing PIP					100	Tago music	224,227	10 2242
DASC AUTOMATION PIP							139,727	12 1677
SUPPORT COSTS: Hardware Engineering Drawings								62
Tests Tech Data Factory Training								22 22 8
Software Engineering								30
SUBTOTAL DASC							·•	4091
			· · · · · · · · · · · · · · · · · · ·					
				P. P.		- COA		
Initial Spares				- XX. 2				(88)
Active Component								(32748)
								(10670)
				0		O		43419
BLI NR.	463600		P-1 SHOPPING LIST				=	EXHIBIT P-5
			11EM NO.	LAGE NO.				

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		Ш	3		II.			ים ואח		
APPROPRIATION/BUDGET ACTIVITY	ACTIVITY:				P-1 ITEM NO	ITEM NOMENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ORPS/BUDGET ACTIVITY		4			MODIFICATION KITS		(MAGTF C4I)		-
								RCN:	147239	
LINE ITEM/	CONTRACTOR AND	CONTRACT METHOD	CONTRACTED	AWARD	DATE OF FIRST	Andre	TIND	SPECS	SPEC	IF YES WHEN
AN/TPS-59 TMD KITS	MM CORP	AND IIFE	DY.	DATE	DELLVERY	X.T.Ö	COST	MON	RORD	AVAIL
FY 97	SYRACUSE, NY	FFP	SYSCOM	FEB 97	SEP 98	7	4,788,898	YES	NO	N/A
PRODUCTION UPGRADE KITS	MM CORP SYRACUSE, NY	FFP	SYSCOM	FEB 97	SEP 98	8	1,231,238	YES	NO	N/A
DASC (OPS SHELTER) FY 97	NSWC CRANE, IN	C/FFPO	NSWC CRANE	OCT 96	FEB 97	10	224,227	YES	NO	N/A
DASC AUTOMATION FY 97	NSWC CRANE, IN	C/FFPO	SYSCOM	OCT 96	JAN 97	12	139,727	YES	NO	N/A
COMSEC CABLES FY 97	TRACOR CHESAPEAKE, VA	MIPR	NISE EAST	MAR 97	JAN 98	VARIOUS	553,000*	YES	Ö	N/A
REMARKS:	*DASC: Unit cost includes downsized COMSEC CABLES: Unit cost represents are being purchased on one contract.	ncludes dow t cost repr		ers, rapid dollar am	shelters, rapid assembly tents, cable total dollar amount. Five different	ints, cables, different cal	and	integration cand various	costs. quantities	w w

PAGE NO. P-1 SHOPPING LIST

ITEM NO. 54

463600

BLI NR.

EXHIBIT P-5A

					A DELAY			-							<del></del>			BY	3.6	0.5				4.1		74	T P-19	)    -
		147239			KEASON FOR													BEYOND	₩	₹0-	w	৵	Ş	₩			EXHIBIT P-19	
		TPS-59 RADAR		GUMGOG	KEFOKTED											Ø		BY (FY1996)		0.5				0.5				
DATE		(MAGTF C4I) TP	SCHEDULE DATE	E .	LAST KE	Feb 95				Dec 95	Sep 96				NSITIVITY	REDUCED TRANSPORTATION REQUIREMENTS		(FY1995) B	₹Ŋ÷	0.1 \$	₩	₩	办	0.1 \$				
ď			SCHI											·	RECEIVER SENSITIVITY RELIARILITY	SPORTATION		(FY1994) CY	10.4 \$	₽	❖	₩	₩	10.4 \$				Ç.
	ATURE:	MODIFICATION KITS		DINIT.	VEIN I										INCREASED RECEIVER SITMPROVED RELIABILITY	EDUCED TRAN	in Millions)	THROUGH PY (F							CE.		SHOPPING LIST	סאי שניאס
	-1 ITEM NOMENCLATURE:	MOD		ENGOLLO	TOO .	Feb 95				Dec 95	3ep 96	li i	೧೯ ಗೆತ್ತ		8 8	R	ing Profile - \$ in		₹	₩	₩	₩.	·sv	₩	LE DEFENSE OFFICE		P-1 SHOPP	THEM NO
ITEM DESCRIPTION	A.	4		1		Plan/Actual	Plan/Actual	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rtan/Accuar	Plan/Actual	Plan/Actual		ŭ		TO BE REPLACED:		(RDT&E Funding	COMPONENT							SALLISTIC MISSILE			
"CODE B" ITEM		ACTIVITY	STATUS					4:0:0	acton wate			Total motification of	A SENT TOP OSE:	li .			ION	PLANT LOCATION	SYRACUSE, NY	QUANTICO, VA					R&D EFFORT FUNDED PRIMARILY BY BALLISTIC MI			
	APPROPRIATION/BUDGET ACTIVITY:	PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	CURRENT DEVELOPMENT AND TEST STATUS			Test Readiness Review	Formal Oualification Test	Dhireing / Dingtions   Configuration 3:13:1	stean/ranceronar contribut	Develop Test/Operational Test	Milestone III	THE THINDUMENT OF THE CO. T. T. T. T. T. T. T. T. T. T. T. T. T.			extent of improvement over equipment item(s)		DEVELOPMENT CONTRACT INFORMATION	CONTRACTOR NAME	MARTIN MARIETTA	PROGRAM SUPPORT				TOTAL RDT&E FUNDING			BLI NR. 463600	
	APPROPRI	PROCURER	1. CUR				b. For			d. Dev	e. Mil	THE	j	,	4. EXTE		5. DEVE		MARTIN	PROGRA				ĭ	REMARKS:			

## INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AN/TPS-

AN/TPS-59 ECPs/TMD UPGRADE

MODELS OF SYSTEMS AFFECTED:

AN/TPS-59 RADAR SYSTEM

DESCRIPTION/JUSTIFICATION:

This modification is to correct deficiencies identified by the fleet and procure minor improvements to the AN/TPS-59 radar set.

> DEVELOPMENTAL STATUS/ MAJOR DEVELOPMENT MILESTONES:

The ECPs have been submitted and approved. TMD Upgrade has CDR scheduled for 3rd Qtr FY 94, DT/OT for 2nd Qtr FY 96, and Milestone III Decision for 4th Qtr FY 96.

FINANCIAL PLAN: (\$ in Millions)

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TOTAL	OTY.	
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•	6	35.984					2.440			0.350	
PROCUREMENT	Kit Quantity	Installation Kits	Install. Kits Nonrecurring	Equipment	Equipment Nonrecurring	Engineering Change Orders	Data	Training Support	Support Equipment	Other	Interim Contractor Support

0.000 0.000 0.000 3.738 0.000

0.500

0.798

53.736

9.351

3.953

4.448

42

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EXHIBIT P-3A INDIVIDUAL MODIFICATION

(FY 1995) Eqpt ( Kits) (FY 1996) Eqpt ( Kits) (FY 1997) Eqpt ( Kits) (FY 1998) Eqpt ( Kits) (FY 1999) Eqpt ( Kits) (FY 2000) Eqpt ( Kits) (TO COMP) Eqpt ( Kits)									000000	0.000 0.000 0.000 0.000 0.000
TOTAL INSTALLATION COST	000.0	0 0.000	0 0.000	0 0.000	000.00	000.00	0	0.000	0	0.000
TOTAL PROCUREMENT COST	0.000	0.000	38.774	1.062	4.448	4.549		9.351	0 5	58.184
METHOD OF IMPLEMENTATION: Field Install	ADMIN LEAD-TIME: 4 MONTHS	4 MONTHS	PROI	PRODUCTION LEAD-TIME: 19 MONTHS	IME: 19 N	IONTHS				

FY 1996 CONTRACT DATES:

FEB 97 FY 1997

SEP 98 FY 1997\_ FY 1996\_

INSTALLING SCHEDULE:

DELIVERY DATES:

INPUT

OUTPUT

EXHIBIT P-3A INDIVIDUAL MODIFICATION

#### INDIVIDUAL MODIFICATION

MODIFICATION TITLE: COMSEC Cables

MODELS OF SYSTEMS AFFECTED: EKMS, DTI

EKMS, DTD, STU III, KY-68, KY-99

DESCRIPTION/JUSTIFICATION:

Cables procured will interface the above listed systems with various transmission systems, to include MRC-138, GRC-193, AAVC7, and LAV-AD.

DEVELOPMENTAL STATUS/ MAJOR DEVELOPMENT MILESTONES: FINANCIAL PLAN: (\$ in Millions)

OTAL	₹3
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FY 2	OTY
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X 1995	€O∳
FY 1	OI.

Engineering Change Orders Data Training Support Support Equipment Other	Equipment Equipment Nonrecurring	Kit Quantity Installation Kits Install, Kits Nonrecurring	PROCUREMENT
---	-------------------------------------	---	-------------

26415	4.583	0.000	0.233	000.0	0.219	000.0	0.000	000.0	0.000
5870 0	1.100		0.044		0.017				
58.	1.040		0.067		0.034				
5870 0									
	1.000		0.043		0.053				
5870 0									
	0.965		0.057		0.062				
5870 0									
	0.478		0.022		0.053				
2935 0									

EXHIBIT P-3A INDIVIDUAL MODIFICATION

5-1-8

	EX 1995 OTX \$	FY 1996 OTX \$	FY 1997 OTY \$	EX 1998 OTX \$	EY 1999 OTY \$	FX 2000 OTX \$	TO COMP	TOTAL OTY \$
INSTALLATION OF HARDWARE								
(FY 1995) Eqpt ( Kits) (FY 1996) Eqpt ( Kits) (FY 1997) Eqpt ( Kits) (FY 1998) Eqpt ( Kits) (FY 1999) Eqpt ( Kits) (FY 1999) Eqpt ( Kits) (TY 2000) Eqpt ( Kits) (TO COMP) Eqpt ( Kits) TOTAL INSTALLATION COST			0.553	0 1.084	0 1.096	0 1.141	0 1.161	0 5.035
METHOD OF IMPLEMENTATION: Field Installed	ADMIN LEAD-TIME: 5 MONTHS	5 MONTHS	PRO	ODUCTION LEAD	PRODUCTION LEAD-TIME: 10 MONTHS	MONTHS		
CONTRACT DATES:	FY 1996		FY 1997	1997 MAR 97				
DELIVERY DATES:	FY 1996		FY 1997	1997 JAN 98				

EXHIBIT P-3A INDIVIDUAL MODIFICATION

FY 1998

FY 1997

FY 1996

FY 1995

INSTALLING SCHEDULE:

OUTPUT INPUT

### INDIVIDUAL MODIFICATION

DIRECT AIR SUPPORT CENTRAL (DASC) PRODUCT IMPROVEMENT PROGRAM (PIP) MODIFICATION TITLE:

MODELS OF SYSTEMS AFFECTED:

AN/TSQ-155V IMPROVED DASC (IDASC) OE-334 ANTENNA COUPLER GROUP

DESCRIPTION/JUSTIFICATION:

Equipment procured under this effort will be modular and allow the system to be task Group shelters or external to the DASC operations shelters. Improved capabilities organized and operated in the downsized AN/TSQ-155(V) and OE-334 Antenna Coupler include automated interfaces to the DCT, ATACC, PLRS, AFATDS, and TCO.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES:

Prototype hardware and software will undergo analysis and modification at Marine Corps Tactical Systems Support Activity and Naval Surface Warfare Center, Crane, Indiana.

FINANCIAL PLAN: (\$ in Millions)

	**
TOTAL	OTY
TO COMP	€O.
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FY	OTY
FY 1999	S
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FY	OTY

Kit Quantity
Kit Quantity
Installation Kits
Install. Kits Nonrecurring
Equipment
Equipment Nonrecurring
Engineering Change Orders
Data
Training Support
Support Equipment
Other
Interim Contractor Support

22	0.000	00000	00000	3.919	0000	0.008	0.035	0000	0.129
			,						
				<b>o</b>		8	ស		o.
22				3.919		00.00	0.035		0.129

EXHIBIT P-3A INDIVIDUAL MODIFICATION

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COMP	S XIO								
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INSTALLATION OF HARDWARE

0 0 0 0.000 0.000 0 0.000 0.000 4 MONTHS 0 000.00 0.000 PRODUCTION LEAD-TIME: 000.00 0.000 OCT 96 FY 1997 0.000 4.091 0 000.00 0.000 MONTHS ADMIN LEAD-TIME: FY 1996 000.00 0.000 METHOD OF IMPLEMENTATION: Field Install Kits) Kits) Kits) Kits) Kits) Kits) Kits) (FY 1995) Eqpt (FY 1996) Eqpt (FY 1997) Eqpt (FY 1998) Eqpt (FY 1999) Eqpt (FY 2000) Eqpt (TO COMP) Eqpt ( TOTAL PROCUREMENT COST TOTAL INSTALLATION COST DELIVERY DATES: CONTRACT DATES:

0.000

4.091

TOTAL FY 2000 FY 1999 FY 1998 FY 1997 FY 1996 FY 1995

FEB 97

FY 1997

FY 1996

1 2 3

INSTALLING SCHEDULE: INPUT

OUTPUT

EXHIBIT P-3A INDIVIDUAL MODIFICATION

21-15

0.3 FY 2001 949509 This is a roll-up line which at various times contains many different and unrelated items of equipment for which the annual procurement is less than \$2 Million each. The funds included in this budget line allow procurement of the following items: \* Joint Communications Support Element (JCSE) equipment modernization. This effort funds the Marine Corps share of efforts to keep the JCSE equipped with the latest state-of-the-art equipment to accomplish its Joint Staff Mission. FY 2000 ITEMS LESS THAN \$2 MILLION (MAGTF C41) FY 1999 3 DATE ₩ FY 1998 P-1 ITEM NOMENCLATURE: FY 1997 BUDGET ITEM JUSTIFICATION SHEET FY 1996 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY: All of these items are Code A. COST (IN MILLIONS) **DUANTITY** 

EXHIBIT P-40

P-1 SHOPPING LIST M NO. PAGE NO.

ITEM NO.

463700

BLI NR.

D. DATE		QTY TOTAL COST	301	301	EXHIBIT P-5
JRER NAME STATE VARIOUS		FY 1997 UNIT COST	VARIOUS		
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS		QTY TOTAL COST			
(MAGTF C41)		FY 1996 UNIT COST			
B. WEAPON MODEL/SERIES/POPULAR NAME ITEMS LESS THAN \$2 MILLION (MAGTF C4I)		QTY TOTAL COST			P-1 SHOPPING LIST EM NO. PAGE NO. 55
B. WEAPON MO ITEMS LESS TH	949509	FY 1995 UNIT COST			P-1 SHOP ITEM NO. 55
N/BUDGET NO: RINE CORPS	4				
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS	BUDGET ACTIVITY				
		IDENT.	4		. 463700
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		WEAPON SYSTEM	JCSE Modernization	TOT TATION	BLI NR.

	Id.	PROCUREMENT HISTORY & PLANNING	ISTORY & PLA	ANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:			Website of the second s		P-1 ITEM NO	P-1 ITEM NOMENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ORPS/BUDGET ACTIVIT	۲	4		ITEMS LESS	ITEMS LESS THAN \$2 MILLION (MAGTF C41)	LION (MAGTF		0.40	
LINE ITEM/	CONTRACTOR AND		CONTRACTED	AWARD	DATE OF FIRST		UNIT			IF YES WHEN
JCSE MODERNIZATION	LOCATION	HE HE	BX	DATE	DELIVERY	QTY	COST	MOM	RQRD	AVAIL
	VARIOUS	VARIOUS	OWS	VARIOUS	VARIOUS	VARIOUS	301	YES	N/A	4/N
REMARKS:	fle int	octs total cost in thousands. items are being procured.	in thousand procured.							
BLI NR.	463700			P-1 ITEM NO. 55	P-1 SHOPPING LIST PA	IST PAGE NO.			EXHIBIT P-5A	T P-5A

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0.0 This funding profile includes TOW sight modifications to bring various configurations of the UAS-12 series of sights into a single configuration and to provide countermeasure protection to the gunners and equipment. COST (IN MILLIONS) | \$ 0.0 | \$ 0.0 | \$ 4.1 | \$ 2.6 | \$ 0.0 | \$ 0.0 | \$ 0.0 | \$ 0.0 Modifications programmed and budgeted under this line are for the purpose of correcting equipment deficiencies or to increase the operational capabilities of previously fielded end items. FY 2001 147239 RCN: FY 2000 0 MODIFICATION KITS (OTHER) FY 1999 DATE PAGE NO. FY 1998 BEGIN OCT 97/END MAR 99 P-1 ITEM NOMENCLATURE: P-1 SHOPPING LIST ITEM NO. PAGE INSTALLATION 0 FY 1997 26 BUDGET ITEM JUSTIFICATION SHEET FY 1996 INSTALLATION AGENT DEPOT 0 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY FY APPROPRIATION/BUDGET ACTIVITY: 463800 TOW NIGHT SIGHT MOD (97) COST (IN MILLIONS) BLI NR MOD TITLE DUANTITY

RUDGET THEM SHEET	
APPROPRIATION/RUNGET ACTIVITY.	DATE
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY 4	F-I LTEM NOMENCLATURE: MODIFICATION KITS (OTHER)  BCN. 147230
MODELS OF SYSTEMS AFFECTED: AN/UAS-12A, AN/UAS-12C, AND AN/UAS-12D NIGHT VISION EQUIPMENT	SETS
(\$ IN MILLIONS)	
MODIFICATION TITLE FY 1997	
TOW SIGHT MODS \$4.053	
BLI NK. 403000	P-1 SHOPPING LIST ITEM NO. PAGE NO. 56 - <b>7</b>

D. DATE	QTY TOTAL COST		326 986	132 3067	4053	EXHIBIT P-5
RER NAME	FY 1997 UNIT COST		3025	23235		
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS	QTY TOTAL COST				0	
PULAR NAME	FY 1996 UNIT COST					
B. WEAPON MODEL/SERIES/POPULAR NAME MODIFICATION KITS (OTHER) RCN: 147239	QTY TOTAL COST				0	P-1 SHOPPING LIST EM NO. PAGE NO. 56 -
B. WEAPON MODEL/SERIES/P MODIFICATION KITS (OTHER) RCN: 14723	FY 1995 UNIT COST					P-1 SHOP) ITEM NO. 56
TION/BUDGET LE/NO: MARINE CORPS						
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE COR. BUDGET ACTIVITY 4						
	IDENT. CODE		4	<b>«</b>		463800
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM COST ELEMENTS	TOW SIGHT MOD PROGRAM	Operator Selectable Filter Switch (OSF)	Optical Improvement/ Operator Selectable Filter Kit (OI/OSF)	TOTAL COST	BLI NR.

	PR	PROCUREMENT HISTORY	생	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:	CTIVITY:				P-1 ITEM NO	ITEM NOMENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACT:	RPS/BUDGET ACTIVITY		4		MODIFICATIO	MODIFICATION KITS (OTHER)	ER)			*
	SOME SOME							RCN:	147239	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED	AWARD	DATE OF FIRST DELIVERY	λĿΩ	UNIT	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN
TOW SIGHT MOD						*				TTUNE
OPERATOR SELECTABLE FILTER SWITCH (OSF) FY 97	UNKNOWN	C/FFP	MICOM	DEC 96	DEC 97	326	3,025	YES	ON	NA
OPTICAL IMPROVEMENT/ OPERATOR SELECTABLE FILTER KIT (OI/OSF) FY 97	UNKNOWN	C/FFP	MICOM	DEC 96	DEC 97	132	23,235	YES	0	AN.
REMARKS: P	Program consists of two types of defeat countermeasure threat and lenses, and detectors as well as target tracking.	consists of two types of countermeasure threat and and detectors as well as racking.	mod the the	: the OSF K. SF mod kit ) mod to prov:	kits: the OSF kit installs a filter wheel to OI/OSF mod kit provides improved mirrors, prisms OSF mod to provide more accurate observation and	a filter wh broved mirro urate obser	neel to ors, prisms, vation and			
BLI NR.	463800			P-1 ITEM NO.	SHOPPING LIST	ST PAGE NO.			ЕХНІВІ	EXHIBIT P-5A

#### INDIVIDUAL MODIFICATION

MODIFICATION TITLE:

TOW SIGHT MODIFICATIONS FOR THE UAS-12 SERIES OF SIGHTS

MODELS OF SYSTEMS AFFECTED:

AN/UAS-12A, AN/UAS-12C, AND AN/UAS-12D NIGHT VISION EQUIPMENT SETS

DESCRIPTION/JUSTIFICATION:

ORIGINAL SIGHTS INTO THE MOST CURRENT CONFIGURATION WITH IMPROVED MIRRORS, PRISMS, LENSES, AND DETECTORS, WITH NEW PRODUCTION SIGHTS. THE PROGRAM CONSISTS OF TWO MOD KITS: THE OPERATOR SELECTABLE FILTER (OSF) KIT AND THE OPTICAL IMPROVEMENT/OPERATOR SELECTABLE FILTER (OI/OSF) KIT. THE OSF KIT PROVIDES COUNTER-THIS MODIFICATION PROGRAM BRINGS EXISTING NIGHT SIGHTS INTO A SINGLE CONFIGURATION WHICH IS COMPATIBLE MEASURE PROTECTION BY MEANS OF A FILTER WHEEL AND MULTIPLE FILTERS. THE OI/OSF KIT UPGRADES THE AS WELL AS THE OSF MOD.

DEVELOPMENTAL STATUS/

MAJOR DEVELOPMENT MILESTONES:

N/A

FINANCIAL PLAN: (\$ in Millions)

TOTAL S T S TO COMP FY 2000 FY 1999 NI O FY 1998 NI O FY 1997 OIX FY 1996 FY 1995 O.I.

PROCUREMENT

Install. Kits Nonrecurring Engineering Change Orders Equipment Nonrecurring Installation Kits Kit Quantity Equipment

Interim Contractor Support Support Equipment

Training Support

458

0.000 0.000 0.000 0.000 0.000 0.000 0.000 458

EXHIBIT P-3A INDIVIDUAL MODIFICATION

	FY 1995 QTY \$	EY 1996 OTY \$	FY 1997 OTY \$	FY 1998 OTY \$	FY 1999 OTY \$	EY 2000 OTY \$	TO COMP	TOTAL	AL.
INSTALLATION OF HARDWARE									
(FY 1995) Eqpt ( Kits) (FY 1996) Eqpt ( Kits) (FY 1997) Eqpt (458 Kits) (FY 1998) Eqpt ( Kits) (FY 2000) Eqpt ( Kits) (TO COMP) Eqpt ( Kits)				458 2.638				458 0 0 0 0 0	0.000 2.638 0.000 0.000 0.000
TOTAL INSTALLATION COST	0 0.000	0 0.000	000.00	458 2.638	000.00	0 0.000	0 0.000	458	2.638
TOTAL PROCUREMENT COST	0.000	00000	4.053	2.638	000.0	0.000	0.000		6.691
METHOD OF IMPLEMENTATION DEPOT INSTALLED		ADMIN LEAD-TIME:		2_MONTHS	PROI	PRODUCTION LEAD-TIME:_		12 MONTHS	
CONTRACT DATES:	FY 1996	9	FY 1997	DEC 96					
DELIVERY DATES:	FY 1996	9	FY 1997	DEC 97					
FY INSTALLING SCHEDULE:	EY 1995 FY 1996	296 3 4	FY 1997	EX 1998	1998 3 4	FY 1999	FY 2000	TOTAL	1 4 4
INPUT				115 11	115 115 114 114				
оитрит				115 11	115 115 114 114				

EXHIBIT P-3A INDIVIDUAL MODIFICATION

3.0 FY 2001 3.1 0 RCN: 2000 Fζ ITEMS LESS THAN \$2 MILLION (OTHER) 2.6 0 FY 1999 DATE 2.8 0 FY 1998 P-1 ITEM NOMENCLATURE 2.6 0 FY 1997 0.0 BUDGET ITEM JUSTIFICATION SHEET FY 1996 0.0 0 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY FY APPROPRIATION/BUDGET ACTIVITY: COST (IN MILLIONS) QUANTITY

\$2 million each. These items are required to support the telecommunications mission area and to support tne General Purpose Electronic Test Equipment (GPETE), Special Purpose Test Equipment (SPTE), General Purpose Mechanical Test Equipment (GPMTE), and infantry weapons gauges used to maintain Marine Corps weapons systems. This is a roll-up line which contains many different items of equipment for which the annual procurement is less than

The funds included in this budget line procure the following items:

- It also provides DC voltage to aid in the maintenance of electronic This enables Power supply equipment which provides direct current (DC) voltage from an alternating voltage (AC) power source. communication equipment to operate without using batteries. equipment
  - Tools, sets, kits, and chests (TSK&C) include general purpose tools and support items used for the installation, operation, and maintenance of communication equipment.
    - Electronic Test, Measurement, and Diagnostic Equipment (TMDE) Repair Facility. Test, Calibration, and Maintenance support.

All of these items are Code A

BLI NR. 463900

P-1 SHOPPING LIST
ITEM NO. PAGE NO.

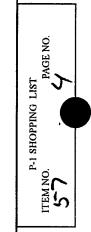
TTSTHVT

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)  WEAPON SYSTEM COST ELEMENTS 0-30 Volt 24-30 Volt 20-80 Volt Logistics Supply Testing, Tech Data, Manuals, Training (RCN 040288) Tools Sets, Kits, Chests (TSK&C) (RCN 040958)	IDENT. CODE A A A A	A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY 4	B. WEAPON MO ITEMS LESS T FY 1995 UNIT COST	E. WEAPON MODEL/SERIES/POPULAR NAME ITEMS LESS THAN \$2 MILLION (OTHER)  (RCN )  FY 1995 QTY FY 1996 UNIT COST TOTAL COST UNIT COST TOTAL COST	N (OTHER) FY 1996 UNIT COST	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS QTY FY 199 TOTAL COST UNIT CC VARIOU	FY 1997 UNIT COST Various	D. DATE QTY TOTAL COST 1001
	<b>4</b>						Various	341
	«						Various	936
				0		0		2577
BLI NR. 4	463900		P-1 SHOPPING LIST ITEM NO. PAGE N	ING LIST PAGE NO.				EXHIBIT P-5

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	PR	PROCUREMENT HISTORY	ઝ	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:	CTIVITY:				P-1 ITEM NO	ITEM NOMENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET	RPS/BUDGET ACTIVITY	ы	4		ITEMS LESS	THAN \$2 MIL	ITEMS LESS THAN \$2 MILLION (OTHER)	_		
								RCN:		
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAIL
POWER SUPPLIES FY97	UNKNOWN	C/FPO	USMC	JAN97	VARIOUS	VARIOUS	1,001,000	YES	N/A	N/A
TOOL SETS, KITS & CHESTS V	TS VARIOUS	C/FP	USMC	VARIOUS	VARIOUS	VARIOUS	299,000	YES	N/A	N/A
ELECTRONIC TMDE REPAIR FACILITY FY97	FACILITY VARIOUS	C/FP	SYSCOM	VARIOUS	VARIOUS	VARIOUS	341,000*	YES	NO	N/A
TEST, CALIBRATION, AND MAINTENANC FY97	MAINTENANCE EQUIFMENT VARIOUS C/)	MENT C/FP	SYSCOM	VARIOUS	VARIOUS	VARIOUS	*000'986	YES	NO	N/A
			·							
REMARKS: U	olumn used Ruency Alibra	flects tota procure sm tandards, c rs.	reflects total cost for items being purchased. to procure small quantities of electronic and PSY/Dimensional test er standards, calibration workstations, precision measurement machines (tors.	items being ies of elec workstation	purchased. tronic and s, precision	PSY/Dimension n measuremen	oeing purchased. electronic and PSY/Dimensional test equipment tions, precision measurement machines,	quipment,	.,	
BLI NR.	463900			P-1 ITEM NO.	SHOPPING LIST	IST PAGE NO.			EXHIBI	EXHIBIT P-5A

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APPROPRIATION/BUDGET ACTIVITY:	BUDGET BET ACTIVITY:	SET ITEM JUSTIFICATION SHEET	CATION SHEET	P-1 ITEM NOMENCLATURE:	ICLATURE:			
OCUREMENT, MARIN	PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	CTIVITY	4		AIR OPERATIONS C2	C2 SYSTEMS ROLL-UP	LL-UP RCN:	
		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY		0	0	0	0		1	
COST (IN MILLIONS)	\$	\$ 0.0	\$ 0.0	5.3 \$	11.5	3.4	\$ 10.3 \$	15.8
THIS IS A ROLLED L	A ROLLED LINE CONSISTING OF THE FOLLOWING: FY 97	F THE FOLLOWING: FY 97	FY 98	FY 99	FY 00	FY 01		
TAOM	FY 1997-2001	5.304	10.918	2.858	9.728	8.638		
ADCP	FY 1997-2001	0.001	0.548	0.562	0.573	7.139		
TAOM - Tactical Al. ADCP - Air Defense	Tactical Air Operations Module Air Defense Communications Platform	Platform		P-1 CHOD				
				ITEM NO. PAGE  58 -	PAGE NO.			EXHIBIT P-40

D. DATE	QTY ST TOTAL COST		(289)	5305	EXHIBIT P-5
TURER NAME STATE VARIOUS	FY 1997 UNIT COST		ş		
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS	QTY TOTAL COST		(34)	0	
PULAR NAME S ROLL-UP	FY 1996 UNIT COST				
B. WEAPON MODEL/SERIES/POPULAR NAME AIR OPERATIONS C2 SYSTEMS ROLL-UP	QTY TOTAL COST			0	ING LIST PAGE NO.
B. WEAPON MOI	FY 1995 UNIT COST				P-1 SHOPPING LIST ITEM NO. PAGE N
TION/BUDGET LE/NO: MARINE CORPS ITY 4					
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE COR BUDGET ACTIVITY 4					
	IDENT. CODE				464000
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM COST ELEMENTS	TACTICAL AIR OPERATIONS MODULE (TAOM) AN/TYQ-23 (RCN 140034) AIR DEFENSE COMMUNICATIONS PLATFORM (ADCP) (RCN 149509)	Initial Spares	TOTAL COST	BLI NR.

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0 8.6 is an electronic tactical data system which, when supported with sensors, power 2001 AN/TYQ-23 (V)1 TACTICAL AIR OPERATIONS MODULE (TAOM) 140034 1. The AN/TYQ-23 (V)1, Tactical Air Operations Module, is an electronic tactical data system which, when supported with sensors, sources, support equipment, and personnel, provides the US Marine Corps with the capabilities of integrated air defense, supplemental enroute traffic control management, and data link to external agencies for real time exchange of tactical air data. Four Tactical Air Operations Modules constitute one system. FΥ ₩ 9.7 RCN: 0 2000 FY 3. These upgrades will open up the system architecture, provide an automated air tasking order capability, tactical missile defense, and a battle management facility. The open open architecture facilitates TADIL-J upgrade. ₹\$ 2.9 0 FY 1999 This is a collection of efforts and an evolutionary acquisition strategy, encompassing ECPs and DATE €O÷ 10.9 0 1998 P-1 ITEM NOMENCLATURE ĒΥ 'n 5.3 0 FY 1997 0.0 BUDGET ITEM JUSTIFICATION SHEET 0 FY 1996 4 0.0 0 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY S APPROPRIATION/BUDGET ACTIVITY COST (IN MILLIONS) QUANTITY

EXHIBIT P-40

P-1 SHOPPING LIST NO. PAGE NO.

ITEM NO 58

464000

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D. DATE		VTQ TAHOM		2,666	300	20	(289)	5304 EXHIBIT P-5	
	SYSTEMS	Y 1997	Igo					A	
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION	LITTON DATA S AGOURA HILLS	QTY TOTAL COST						0	
ULAR NAME OPERATIONS		FY 1996 UNIT COST	1 1000						
B. WEAPON MODEL/SERIES/POPULAR NAME AN/TYQ-23(V)1 TACTICAL AIR OPERATIONS MODULE (TAOM)	(RCN 140034)	QTY TOTAL COST						ING LIST PAGE NO.	7
B. WEAPON MOI AN/TYQ-23 (V)1 MODULE (TAOM)		FY 1995 UNIT COST		A supplied to the supplied to				P-1 SHOPPING LIST ITEM NO. PAGE N	- 58
N/BUDGET NO: RINE CORPS	4								
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS	BUDGET ACTIVITY								
		IDENT. CODE						464000	
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		WEAPON SYSTEM COST ELEMENTS	AN/TYQ-23(V)1 TACTICAL AIR OPERATIONS MODULE PRODUCT IMPROVEMENT PROGRA OCU UPGRADE SECTOR ANTI-AIR WARFARE FACILITY (SAAWF)	JTIDS INTEGRATION RADAR INTERFACE (TMD) GFE Repair Contractor Support	Services (PRODUCTION) Hardware/Software Support Engineering Change Proposals Post Deployment Software Support (MCTSSA) TAD IXP Training (Factory)	Contractor Support Services (PIP)	 Initial Spares	TOTAL COST BLI NR.	

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PROCUREMENT HISTORY & PLANNING	P-1 ITEM NOMENCLATURE:	7	RACT DATE OF SPECS  HOD CONTRACTED AWARD FIRST OTY COST NOW  IYPE BY DATE DELIVERY OTY COST NOW	SYSCOM Jan 97 May 98 1 2163000 YES NO B	NR. 464000 EXHIBIT P-5A
	APPROPRIATION/BUDGET ACTIVITY:	PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	TEM/ YEAR	nde 	BLI NR. 46

RCR1					S SEP OCT NOV DEC JAN PEB HAR APR HAY JUN JUL AUG SEP	REMARKS: EXHIBIT P-21
RE. AN/TYG-23 (V) TACTICAL AIR OPERATIONS NODULE (TACH  1 FISCAL YEAR   CALENDAR YEAR;  1 CALENDAR YEAR;  R MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY	<				JAN PEB HAR APR HAY JUN JUL AUG SEP OCT NOV DEC JAN PEB HAR APR HAY JUN JUL AUG	PROCURBMENT LEAD TIME
VITY: PROCURHENT HARINE CORES BUDGET ACTIVITY:	1					PRODUCTION PATES   PRACHED     PRODUCTION PATES   PRACHED     PATES

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EXHIBIT P-40 FY 2001 | COST (IN MILLIONS) | \$ 0.0 | \$ 0.0 | \$ 0.0 | \$ 0.0 | \$ 0.5 | \$ 0.5 | \$ 0.6 | \$ 0.6 | \$ 7 | The Air Defense Communications Platform will provide data link and communications interface for air defense units to include SHORAD and HAWK units. Additionally, an interim Tactical Ballistic Missile Defense capability will be provided to HAWK. 149509 RCN: FY 2000 AIR DEFENSE COMMUNICATIONS PLATFORM FY 1999 DATE P-1 SHOPPING LIST ITEM NO. PAGE NO. FY 1998 P-1 ITEM NOMENCLATURE: 0 FY 1997 28 BUDGET ITEM JUSTIFICATION SHEET 0 FY 1996 0 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY FY 97: \$1K to keep the RCN line open. APPROPRIATION/BUDGET ACTIVITY: 464000 QUANTITY
COST (IN MILLIONS) BLI NR.

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4.9 0 FY 2001 142596 S RCN: 11.9 2000 FΥ Marine Enhancement Program (MEP) ₩ 11.9 1999 DATE ΕŽ () 3.3 1998 P-1 ITEM NOMENCLATURE FY ŧ/) 7.7 0 FY 1997 3.3 BUDGET ITEM JUSTIFICATION SHEET 0 FY 1996 ť 0.0 0 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY ď APPROPRIATION/BUDGET ACTIVITY: COST (IN MILLIONS) QUANTITY

(NDI) and commercially available items which can be quickly evaluated and fielded. This program is coordinated with the Army's survivability, enhancing safety and improving combat effectiveness. The emphasis of this program is on non-developmental items It focuses on equipment which will benefit the individual Marine by reducing the load, increasing Marine Enhancement Program is a Congressionally initiated program started in FY90 which provides funding for low Soldier Enhancement Program and the Special Operations Command. low cost items. visibility,

Medium Machine Gun Tripod Lightweight (MMGT). A lightweight replacement for the M123 steel tripod and traversing and elevation (T&E) that have been in use since the days of the .30 caliber machine gun. Designed to lighten the load of the machine gun team by reducing the tripod and T&E mechanism by more than half.

Acquisition Objective (AO): This item is "Code B"

5200

3692 = 71% AO

5200 = 100% AO FY98-01:

Heavy Machine Gun Lightweight Tripod (HMGT). A lightweight tripod to replace the M3 HMG tripod currently used by the M2 50 caliber Heavy Machine Gun (HMG) and the MK19 Grenade Machine Gun (GMG). Designed to lighten the load for the individual Marine by decreasing the weight at least 28lbs. Includes improving the machine gun Traverse & Elevation (T&E) mechanism. Will decrease gunner/crew response time and add service life by 20000 to 25000 rounds. The lighter tripod also enhances employment The lighter tripod also enhances employment of the M2 and the MK19.

This item is "Code B"

6088 for entire Marine Corps; AO for MEP (infantry only) is 1406 Acquisition Objective (AO):

704 = 50% AO

1406 = 100% AO FY98-01:

(GMG). Will enhance the capabilities of the HMG platoon by giving them greater flexibility, accuracy, and lethality on the battlefield. Designed to attenuate recoil, improve accuracy, decrease gunner/crew response time, reduce logistical burden, and provide ammunition savings. Replaces the MK 64 cradle currently used to mount the M2 HMG and the MK 19 GMG. MK93 Dual Mount. Improved mounting system for both the M2 50 caliber Heavy Machine Gun (HMG) and the MK19 Grenade Machine Gun

This item is "Code A"

6088 for entire Marine Corps; AO for MEP (infantry only) is 1406 Acquisition Objective (AO): 1406 = 100% AO

494000 BLI

PAGE NO. P-1 SHOPPING LIST

ITEM NO. 59

142596 RCN: Marine Enhancement Program (MEP) DATE P-1 ITEM NOMENCLATURE BUDGET ITEM JUSTIFICATION SHEET PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY APPROPRIATION/BUDGET ACTIVITY:

Anti-terrorist Security Teams (FAST) of the Security Battalion, military police Special Response Teams (SRT), and the second Designated Marksman Rifle (DMR). Precision, semiautomatic, 7.62mm NATO weapon system (rifle, ammunition, sight mount, and optical device), that will compliment the capabilities of the M40A1 Sniper Rifle (same caliber) better than the M16A2. Designed to extend the range capabilities, add flexibility, and enhance survivability of Designated Marksmen of the Fleet sniper of the Marine Corps two man Scout Sniper Team

588 Acquisition Objective (AO): 197 = 348 AO588 = 1008 AOThis item is "Code B" FY98-01:

It will be configured with low light level Joint Service Combat Shotgun. 12 gauge, semiautomatic, compact, lightweight weapon. It will be configured with low light level rifle-type sights and a surface which will mount current and developmental day and night sighting scopes. Will provide a common weapon for all the Services that will enhance the individual's combat effectiveness for use in the execution of special operations and security missions; substantial improvements in performance over existing shotguns in the area of supply, maintenance, and training support standardization; and increased levels of reliability and shooter confidence.

Acquisition Objective (AO): 4815 FY97: 2557 = 53% AO 4815 = 100% AO This item is "Code B" FY98-01:

PAGE NO. P-1 SHOPPING LIST ITEM NO. PAGE

494000

BLI NR

59

EXHIBIT P-40

								,	
ANALYSIS EXHIBIT (D-5)		A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO.	B. WEAPON MOI	B. WEAPON MODEL/SERIES/POPULAR NAME	ULAR NAME	C. MANUFACTURER NAME	RER NAME	D. DATE	ы
		PROCUREMENT, MARINE CORPS	Marine Enhancement Program		(MEP)	LOCATION	TATE		
		BUDGET ACTIVITY 4				To be Determined	ned		
WEAPON SYSTEM II COST ELEMENTS (	IDENT.		FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997	QTY TOTAL COST	Y
m m							794	3692	2931
Heavy Machine Gun Lightweight Tripod							945	704	999
MK93 Dual Mount		4			2368	1406 3330			
Designated Marksman B Rifle (DMR)							6647	197	1309
Joint Service Combat B							1091	2557	
Shotgun									2790
									N. S. H. H. H. H. Carrell
									· · · · · · · · · · · · · · · · · · ·
		PARALLE							
Active Component Reserve Component				C. Andrés Louis III. Andrés		(3330)			(6159) (1536)
TOTAL COST				0		3330			7695
	494000		P-1 SHOPPING LIST					EXHIBIT P-5	T P-5
			ITEM NO.	PAGE NO.					
			- 60						

	PF	PROCUREMENT HISTORY	ઝ	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:	ACTIVITY:				P-1 ITEM NO	P-1 ITEM NOMENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ORPS/BUDGET ACTIVI	TY	4		Marine Enha	Marine Enhancement Program (MEP)	gram (MEP)			
									142596	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	ΥTQ	UNIT	SPECS AVAIL NOW	SPEC REV RQRD	IF YES WHEN AVAIL
Medium Machine Gun Lightweight Tripod FY97	ТВД	C/FFP	NSWC CRANE	Dec 96	Apr 97	3692	794	Yes	No	N/A
Heavy Machine Gun Lightweight Tripod FY97	ТВБ	C/FFP	NSWC CRANE	Feb 97	76 unf	704	945	No	No	N/A
MK93 Dual Mount FY96	ТВО	C/FFP	AARDC	May 96	Nov 96	1406	2368	Yes	No	N/A
Designated Marksman Rifle (DMR) FY97	TBD	TBD	SYSCOM	Oct 96	Mar 97	197	6647	Yes	No	N/A
Joint Service Combat Shotgun FY97	ТВD	C/FFP	SYSCOM	Oct 96	Apr 97	2557	1091	Yes	No	N/A
REMARKS:										
BLI NR.	494000			P-1 ITEM NO. 59	SHOPPING LIST	IST PAGE NO.			EXHIBI	EXHIBIT P-5A
			j							

	"CODE B" THEM DESCRIPTION			חששעם	
	WOT THEODY WITH THE	- 18		DAIE	
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE	CLATURE:		
FROCUREMENT, MAKINE COKES/BODGET ACTIVITY	ACTIVITY 4	W.	edium Machine Gun	Medium Machine Gun Lightweight Tripod (MMGT) RCN: 142596	
1. CURRENT DEVELOPMENT AND TEST STATUS	r status			SCHEDULE DATE	
		CURRENT	LAST REPORTED	REASON FOR DELAY	
a. Developmental Test & Evaluation (DT&E)	ion (DT&E) Plan/Actual	May 96	Jun 95	Delay due to problems encountered with	
b. Initial Operational Test & Evaluation	valuation (IOT&E) Plan/Actual	NA	NA	the material composition and load factors	ctors
c. Operational Test & Evaluation (OT&E)	n (OT&E) Plan/Actual	May 96	Oct 95	associated with the tripod.	
d. Available Date of Technical Data Package (TDP) Plan/Actual	Data Package (TDP) Plan/Actual	Aug 96	Nov 95		
or Performance Specifications	ions				
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:		June 96			
3. EQUIPMENT ITEM(S) TO BE REPLACED:	M122 Tripod				
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S)	QUIPMENT ITEM(S) TO BE REPLACED:		Weight Reduction of	over 50%.	
5. DEVELOPMENT CONTRACT INFORMATION	(RDT&E	Funding Profile - \$	in Millions)		
CONTRACTOR NAME	PLANT LOCATION COMPC	COMPONENT	THROUGH PY (FY1994)	CX (FY1995) BY (FY1996) BEYOND	D BY
TBD		₩		w.	
		办		₩	
		₹/}		w	
		**		₩.	
-		···		\$	
TOTAL RDT&E FUNDING		**	0	\$ 0 \$ 0 \$	0
REMARKS:					
	1				
BLI NR. 494000		₽	SHOPPING LIST	ЕХНІ	EXHIBIT P-19
		ITEM NO.	PAGE NO.		
			ז		

	"CODE B" ITEM DESCRIPTION			DATE		
APPROPRIATION/BUDGET ACTIVITY:		P-1 ITEM NOMENCLATURE	PURE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	4		Machine Gun	Heavy Machine Gun Lightweight Tripod (HMGT	_	
1. CURRENT DEVELOPMENT AND TEST STATIS	STATUS			חשים ה ווותחווסט	RCN: 142596	96
	20454	-				
		CURRENT	LAST REPORTED		REASON FOR DELAY	
	_	Nov 95				
	-					
	D.	Apr 96				
d. Available Date of Technical Data Package (TDP) or Performance Specifications	ata Package (TDP) Plan/Actual ons	May 96				***
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:		Jun 96				
l	M3 Tripod					
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S)	UIPMENT ITEM(S) TO BE REPLACED:	): Weight	t reduction of	f over 50%.		
5. DEVELOPMENT CONTRACT INFORMATION	ION (RDT&E Funding Profile	1	\$ in Millions)			
CONTRACTOR NAME	ANT LOCATION		GH PY (FY1994)	CY (FY1995)	BY (FY1996) BEY	BEYOND BY
TBD		₹05-			<b>3/3</b>	
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TOTAL RDT&E FUNDING		₩	0	<i>\$</i> ∙	\$ 0	0
REMARKS:						
BLI NR. 494000		P-1 SHOPPING LIST	IG LIST		EX	EXHIBIT P-19
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EXHIBIT P-19 BEYOND BY 142596 REASON FOR DELAY RCN: 0.15 0.15 BY (FY1996) 0.055 SCHEDULE DATE 0.055 (FY1995) Designated Marksman Rifle (DMR) CX THROUGH PY (FY1994) PAGE NO. LAST REPORTED (RDT&E Funding Profile - \$ in Millions) P-1 SHOPPING LIST P-1 ITEM NOMENCLATURE: RA CURRENT Aug 95 NA Jul 96 Jun 95 ITEM NO. 59 Oct 96 COMPONENT EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO BE REPLACED: Plan/Actual Plan/Actual Operational Test & Evaluation (OT&E) Plan/Actual Available Date of Technical Data Package (TDP) Plan/Actual "CODE B" ITEM DESCRIPTION US Army None Developmental Test & Evaluation (DT&E) Initial Operational Test & Evaluation (IOT&E) PLANT LOCATION or Performance Specifications
ESTIMATED DATE OF APPROVAL FOR SERVICE USE: Aberdeen MD PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY CURRENT DEVELOPMENT AND TEST STATUS EQUIPMENT ITEM(S) TO BE REPLACED: DEVELOPMENT CONTRACT INFORMATION DMR is COTS/NDI APPROPRIATION/BUDGET ACTIVITY: US Army Combat Systems Test 494000 TOTAL RDT&E FUNDING CONTRACTOR NAME BLI NR. Activity REMARKS: 

	"CODE B" ITEM DESCRIPTION	NO		DATE		
APPROPRIATION/BUDGET ACTIVITY: PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	T ACTIVITY	P-1 ITEM NOMENCLATURE	NCLATURE:	4 - 4D - 4		
			OTHE COMPAC SELVIC	e snocgun	RCN: 142	142596
1. CURRENT DEVELOPMENT AND TEST STATUS	ST STATUS			SCHEDULE DATE		
		CURRENT	LAST REPORTED		REASON FOR DELAY	
a. Developmental Test & Evaluation (DT&E) b. Initial Operational Test & Evaluation	tion (DT&E) Plan/Actual Evaluation (IOT&E) Plan/Actual	tual Oct 95				
d. Available Date of Technical Data Package (TDP) Plan/Actual or Performance Specifications	DP)	Jun				
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:	FOR SERVICE USE:	Oct 96				
3. EQUIPMENT ITEM(S) TO BE REPLACED:	Current		the system.			
A REMEMBER OF INDROGRAMMENT OF US DESCRIPTION OF	CHAPTE TORA BE ON 12 NOTH INTERESTED			ll l		
æ	ч.,	LACED: ardization while po	EXELLACED: Standardization while providing increased levels of reliability and	nents in perfromance levels of reliability	mance over existing ability and shooter	shotguns confidence.
5. DEVELOPMENT CONTRACT INFORMATION	(RDT&E	Funding Profile - \$	in Millions)			
CONTRACTOR NAME			THROUGH PY (FY1994)	CY (FY1995)	BY (FY1996) B	BEYOND BY
US Army Combat Systems Test	Aberdeen MD US Army	\$		W.	0.195 \$	-
Activity		•				
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TOTAL RDT&E FUNDING		10	0	0	0.195	
REMARKS:						
BLI NR. 494000		P-1 SHO	SHOPPING LIST		н	EXHIBIT P-19
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## APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: MEP - MEDIUM MACHINE GUN TRIPOD (LIGHTWEIGHT)

#### SUSTAINMENT

WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:	924 152 1076
I MARINE EXPEDITIONARY FORCE:	929
II MAKINE EXFEDITIONAKI FORCE: III MARINE EXPEDITIONARY FORCE:	965 581
SELECTED MARINE CORPS RESERVE:	608
SUFFORT ESTABLISHMENT: NORWAY AIR LANDED BRIDGADE:	1041
TOTAL:	4124
APPROVED ACQUISITION OBJECTIVE	5200

CS DATE:	ITEM NAME: Medium Machine Gun Lightweight Tripod (MMGT) RCN: 142596		FY 1994 FY 1995 FY 1996 FY 1997	3692 0 0 3692		0 0 3692	3692	\$ \$ \$ \$ \$ 2.9	0.0 % 0.0 % 71.0 %	FY 1996 RECOMMENDED BUY - QUANTITY: 0   NALUE: \$ 0 M	P-1 SHOPPING LIST ITEM NO. PAGE NO.
ASSET DYNAMICS	TBD	5,200	ENDING INVENTORY 30 SEP 1993					0	8 0.0		
	TAMCN/DODIC:	ACQUISITION OBJECTIVE:	CA TMS.	*FY BUDGET *OTHER TOTAL	LOSSES:     *COMBAT USMC     *COMBAT ALLIES     *PEACETIME     *WASHOUT     *SALES     *OTHER     TOTAL	NET CHANGE (+/-)	ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE	TOTAL \$M.VALUE	% A/O ON HAND/FUNDED	COMMENTS:	BLI NR. 494000

## APPROVED ACQUISITION OBJECTIVE

PROGRAM NAME: HEAVY MACHINE GUN TRIPOD

#### SUSTAINMENT

VE MATERIAL REQUIREMENT:	NTENANCE FLOAT:	TOTAL:
WAR RESERVE M	DEPOT MAINTEN	TOT

#### INITIAL ISSUE

### APPROVED ACQUISITION OBJECTIVE

	ASSET DYNAMICS	The second		DATE:	
TAMCN/DODIC: ACQUISITION OBJECTIVE:	E1115 1,406	ITEM NAME: He	Heavy Machine Gun L	Gun Lightweight Tripod (HMGT) 956	(HMGT)
, TMG.	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
*FY BUDGET *OTHER TOTAL		0	0	0	704
LOSSES: *COMBAT USMC *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER TOTAL		0			0
NET CHANGE (+/-)		0	0	0	704
ASSET POSITION:  *STD SERVICEABLE  *STD UNSERVICEABLE  *SUB SERVICEABLE  *SUB UNSERVICEABLE					704
TOTAL \$M VALUE	0	\$	0	\$	704
% A/O ON HAND/FUNDED	0	* 0	* 0	8 0	\$ 20 %
COMMENTS:		Et, Ēt,	FY 1996 RECOMMENDED FY 1997 RECOMMENDED	BUY - QUANTITY: VALUE: BUY - QUANTITY: VALUE:	\$ 0 M
BLI NR. 494000		0.	SHOPPING LIST PAGE NO.		EXHIBIT P-20A
		59	7		

## APPROVED ACQUISITION OBJECTIVE

### PROGRAM NAME: MK93 DUAL MOUNT

#### SUSTAINMENT

L REQUIREMENT:	FLOAT:	
MATERI		TOTAL:
RESERVE MATERIAL	DEPOT MAINTENANCE	TO
WAR	DEPC	

654

654 0

#### INITIAL ISSUE

1 MAKINE EXPEDITIONARY FORCE:	1350
II MARINE EXPEDITIONARY FORCE:	1366
III MARINE EXPEDITIONARY FORCE:	675
SELECTED MARINE CORPS RESERVE:	069
SUPPORT ESTABLISHMENT:	1353
NORWAY AIR LANDED BRIDGADE:	0
TOTAL:	
APPROVED ACQUISITION OBJECTIVE	

5434

6088

	ASSET DYNAMICS			DATE:	
TAMCN/DODIC: ACQUISITION OBJECTIVE:	E0312	ITEM NAME: M	MK93 Dual Mount 142596		
טאדאל	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
*FY BUDGET *OTHER TOTAL		0	0	1406	0
LOSSES:     *COMBAT USMC     *COMBAT ALLIES     *PEACETIME     *WASHOUT     *SALES     *OTHER     TOTAL		0	0	0	0
NET CHANGE (+/-)		0	0	1406	0
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE				1406	1406
TOTAL \$M:VALUE	0	0 8	0 \$	\$ 3.3	1406
% A/O ON HAND/FUNDED	% 0.0	8 0.0	8 0.0	100.0 %	100.0 %
COMMENTS:		Et Et	FY 1996 RECOMMENDED BUY FY 1997 RECOMMENDED BUY	BUY - QUANTITY: VALUE: BUY - QUANTITY: VALUE:	\$ 1406 \$ 3.3 M \$ 0 M
BLI NR. 494000		P-1 SHOP ITEM NO. 59	SHOPPING LIST PAGE NO.		EXHIBIT P-20A

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## APPROVED ACQUISITION OBJECTIVE

## PROGRAM NAME: DESIGNATED MARKSMANSHIP RIFLE

#### SUSTAINMENT

588	APPROVED ACQUISITION OBJECTIVE
501	TOTAL:
0	NORWAY AIR LANDED BRIDGADE:
156	SUPPORT ESTABLISHMENT:
88	SELECTED MARINE CORPS RESERVE:
13	III MARINE EXPEDITIONARY FORCE:
110	II MARINE EXPEDITIONARY FORCE:
134	I MARINE EXPEDITIONARY FORCE:
	INITIAL ISSUE
87	TOTAL:
. 09	DEPOT MAINTENANCE FLOAT:
27	WAR RESERVE MATERIAL REQUIREMENT:

	ASSET DYNAMICS	IICS	Ω	DATE:	
TAMCN/DODIC:	E0311	ITEM NAME: DA	Designated Marksman Rifle 142596	Rifle (DMR)	
ACQUISITION OBJECTIVE:	288				
	ENDING INVENTORY 30 SEP 1993	FY 1994	FY 1995	FY 1996	FY 1997
GAINS: *FY BUDGET *OTHER TOTAL		0	0	0	197
LOSSES:     *COMBAT USMC     *COMBAT ALLIES     *PEACETIME     *WASHOUT     *SALES     *OTHER     TOTAL		0		0	
NET CHANGE (+/-)		0	0	0	197
ASSET POSITION: *STD SERVICEABLE *STD UNSERVICEABLE *SUB SERVICEABLE *SUB UNSERVICEABLE					197
TOTAL \$M·VALUE	0	0 8	\$	\$	\$ 1.3
% A/O ON HAND/FUNDED	8 0.0 %	* 0.0	* 0.0	0.0 %	34.0 %
COMMENTS:		FY	FY 1996 RECOMMENDED BUY FY 1997 RECOMMENDED BUY	BUY - QUANTITY: VALUE: BUY - QUANTITY: VALUE:	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
BLI NR. 494000		P-1 SHOP ITEM NO. 59	SHOPPING LIST PAGE NO.		EXHIBIT P-20A

## APPROVED ACQUISITION OBJECTIVE

## PROGRAM NAME: JOINT COMBAT SHOTGUN

#### SUSTAINMENT

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WAR RESERVE MATERIAL REQUIREMENT: DEPOT MAINTENANCE FLOAT: TOTAL:	INITIAL ISSUE	I MARINE EXPEDITIONARY FORCE:  II MARINE EXPEDITIONARY FORCE:  III MARINE EXPEDITIONARY FORCE:  SELECTED MARINE CORPS RESERVE:  SUPPORT ESTABLISHMENT:  NORWAY AIR LANDED BRIDGADE:  TOTAL:	APPROVED ACQUISITION OBJECTIVE

TAMCN/DODIC: ACQUISITION OBJECTIVE: *FY BUDGET *OTHER TOTAL LOSSES: *COMBAT ALLIES *PEACETIME *WASHOUT *SALES *OTHER TOTAL  *SALES *OTHER TOTAL  *SALES *OTHER TOTAL  *SALES *OTHER TOTAL  *SALES *OTHER TOTAL  *SALES *OTHER TOTAL  *SALES *OTHER TOTAL  *SALES *OTHER TOTAL  *SALES *OTHER TOTAL  *SALES *OTHER TOTAL  *STD UNSERVICEABLE *STD UNSERVICEABLE *SUB
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S PROGRAM QUANTITY		ITEM AND MANOPACTURER	Hedium Machine Gun Lightweight Tripod (MMGT)	Medium Machine Gun Lightweight Tripod (MMGT) (Reserves)*	Heavy Machine Gun Lightweight Tripod (HMGT)	HK93 Dual Hount (HK93) EA TBD	Designated Marksman Rifle (DHR) TBD	Designated Marksman Rifle (DMR) (Reserves) TBD	Joint Service Combat Shotgun TBD	Joint Service Combat Shotgun (Reserves)* TBD					TOTALS	
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MANUPACTURER'S NAME & LOCATION	MIN BUST	1-8-5 MAXINUM	å		ADMIN LEAD TIME	D TIME			
							MANU-	TOTAL	* Reserve quantities are non-additive.
TBD					PRIOR APTER	-	PACTURING	APTER	
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BL.1 NR. 494000				P-1 SHOPPING LIST					EXHIBIT P-21
				ITEM NO. PAGE NO.					
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BUDGET ACTIVITY: PRO	PROCUREMENT MARINE CORPS/BUDGET ACTIVITY	T MAR	INE CC	RP8/B	UDGB1	T ACT	IVITY		-	-d	H		1 ITEM NOMENCLATURE:	OMENC	LATUR	ı	Harin	le En	Ances	Marine Enhancement Program (MEP)	Progr.	E	(EP)				l			Γ	Ω	-	143606	T.								
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ITEM AND MANUFACTURER	M/n	ı øs			PY	FY	Y.		a of	1	ŀ	٦	AL RIV	CALENDAR YEAR	<u>.</u>			•	}	+	F	L	ৱ	CALENDAR	R YEAR				66			$\ \cdot\ $	lŀ		CALENDAR YEAR	DAR Y	(EAR)	Н		-	П	П
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Medium Machine Gun Lightweight Tripod (MMGT) TBD	EA MC	n					6 9 9 5	1.00 4.00	- 8 4 4	808	308 308	308	808	304					<b> </b>	-		<u> </u>	<u> </u>								T	†	╁	$\vdash$	╂—	-	╁	╁	—			
Medium Machina Gun Lightwaight Tripod (MMGT) (Reserves)* TBD.	EA MC	r)					r 4 w	0	L 4 W	<del>                                     </del>	<del>                                     </del>	131	808	304			İ	1	<del> </del>		-	ļ									$\top$	1	+	+	╂	╂—	┼	<del></del>	↓			
Heavy Machine Gun Lightweight Tripod (HHGT)	ВА НС	0					L 0 4	000	₹ 0 4	9	65	9 65	65	\$9	65	ş	<b>†</b>	<del>                                     </del>	<del> </del>	-	<del> </del>											+	+	<del>-</del>	-	-	-	-				
MK93 Dual Mount (MK93) TBD	ត					r # 0 9		0 6 2 1	~ <del>4</del> 0	140	<del>                                     </del>	<del> </del>	<u> </u>						<del>                                     </del>	<del> </del>	<del> </del>										<del>                                     </del>	<del>                                     </del>	╅──	+	-	╄	<del></del>	-				
Designated Marksman Rifle (DMR) TBD	EA M						401	1 3	7 7	25 2:	25 17		<u> </u>				<u> </u>		<del>                                     </del>		<u> </u>										1	-	┼	┼	╂—	<del> </del>	╁					•
Designated Marksman Rifle (DHR) (Reserves) TBD	Na .					<del>                                     </del>		1 5	7 6	25 22	25 17	_	<b></b>				<del>                                     </del>	f	$\vdash$	<del>                                     </del>	<del>                                     </del>	<u> </u>					1				+	╁	+	+	╬	-	<b>-</b>				1-	╬
Joint Service Combat Shotgun TBD	N Ya					<b></b>	4000	- 0 - 0	1 2 2 6	213 21	213 213	3 213	<u> </u>	214			1	<del>                                     </del>	<del> </del>	<del> </del>	<del> </del>								1	<b>†</b>	+	+	+	╂	┿		-	+-			1.	<u> </u>
Joint Service Combat Shotgun (Reserves)* TBD	RA MC						n e u	0	m m +		-		117	214							<b> </b>								<del>                                     </del>		<del>                                     </del>	┼	-		<del> </del>	-		<u> </u>				-
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HANUFACTURER'S NAME & LOCATION	R'S NAM	B & LC	CATIO	_		크_	IN BU	187	1-8-5	žĮ.	XIXO		å	_					1	ADHIN LEAD TIME	Z Z	No T	冒	3	- LINES	$\vdash$	Ē	Τ.	<u>`</u>	Kenny	9		7			;						
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PRIOR APTER PACTURING APTER 1 OCT 1 OCT TIME 1 OCT REORDER (Fravious Source P-1 SHOPPING LIST ITEN NO. PAGE NO.

BLI NR. 494000

EXHIBIT P-21

	BUDGET ITEM JUSTIFICATION SHEET	FICATION SHEET			DATE		
APPROPRIATION/BUDGET ACTIVITY:			P-1 ITEM NOMENCLATURE:	ICLATURE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	T ACTIVITY	4		TEST, CALIBRATION & MAINTENANCE SUPPORT	ION & MAINTENA	NCE SUPPORT	
						RCN:	RCN: 145879
	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
QUANTITY	0	0	0	0	0	0	0
COST (IN MILLIONS) \$	\$ 1.5	\$ 0.0	\$ 0.0 \$	\$ 0.0	0.0	\$ 0.0	\$ 0.0

FUNDS ALLOCATED UNDER THIS LINE ARE UTILIZED TO PROCURE SMALL QUANTITIES OF TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT TO SUPPORT ITEMS OF EQUIPMENT AND TO PROCURE CALIBRATION STANDARDS AND GAUGES TO ENSURE THE ACCURACY OF MEASUREMENTS MADE BY THE OPERATING FORCES OF THE MARINE CORPS.

ALL ITEMS ARE CODE A.

BLI NR. 495700 FXHIBIT P-40 ITEM NO. PAGE NO.
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D. DATE		QTY	TOTAL COST			0	EXHIBIT P-5	
JAME	VARIOUS	FY 1997	TOO TIME			0		
C. MANUFACTURER DEANT CITY/STATE	LOCATION	TOTAL COST						
ULAR NAME	ITENANCE 5879)	FY 1996	4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7					
B. WEAPON MODEL/SERIES/POPULAR NAME	TEST, CALIBRATION, AND MAINTENANCE SUPPORT (RCN 145879)	QTY TOTAL COST	VARIOUS 617	VARIOUS 491	VARIOUS 386	1494	P-1 SHOPPING LIST	PAGE NO.
B. WEAPON MC	TEST, CALIBRA SUPPORT	FY 1995 UNIT COST					P-1 SHOP	ITEM NO.
N/BUDGET NO:	E CORPS	QTY TOTAL COST						
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO:	PROCUREMENT, MAI BUDGET ACTIVITY	UNIT COST						
		IDENT. CODE	<b>A</b>	æ	æ		495700	
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		WEAPON SYSTEM COST ELEMENTS	FMF TEST EQUIPMENT	FMF CALIBRATION STANDARDS	DEPOT CALIBRATION STANDARDS	TOTAL COST	BLI NR.	

	AG .	PROCUREMENT HISTORY	تد	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:	ACTIVITY:				P-1 ITEM NO	P-1 ITEM NOMENCLATURE:				
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	ORPS/BUDGET ACTIVIT	<u>λ</u> .	4		TEST, CALIB	TEST, CALIBRATION & MAINTENANCE	INTENANCE S	SUPPORT RCN:	145879	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED	AWARD	DATE OF FIRST DELIVERY	ŶŢŎ	UNIT		SPEC REV RORD	IF YES WHEN AVAIL
FMF TEST EQUIPMENT FY95	VARIOUS	C FP	USMC	VARIOUS	VARIOUS	VARIOUS	*000*	1	NO	N/A
FMF CAL STANDARDS										
FY95	VARIOUS	C FP	USMC	VARIOUS	VARIOUS	VARIOUS	491,000*	YES	NO	N/A
DEPOT CAL STANDARDS										
FY95	VARIOUS	C FP	USMC	VARIOUS	VARIOUS	VARIOUS	386,000*	YES	NO	N/A
KEMAKKS:		IS TOTAL C	LCAIED IS TOTAL COST. FUNDS AN NAL TEST EQUIPMENT SUCH AS FREGMACHINES AND FORCE CALIBRATORS.	AKE USED TO EQUENCY STA S. FY95 AL	PROCORE SM NDARDS, CAL SO REFLECTS	FONDS ARE USED TO FROCURE SMALD QUANTITIES OF ELECTRONIC AND 1 AS FREQUENCY STANDARDS, CALIBRATION WORKSTATIONS, PRECISION IBRATORS. FY95 ALSO REFLECTS INCREASED DEPOT MAINTENANCE RATE CHANGES	LES OF ELECTRESTATIONS, DEPOT MAINT!	FRONIC I	AND CON PATE CHA	NGES
BLI NR.	495700			P-1 ITEM NO.	SHOPPING LIST	IST PAGE NO.			ЕХНІВ	EXHIBIT P-5A

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	BUDGET ITEM JUSTIFICATION	FICATION SHEET			DATE		
APPROPRIATION/BUDGET ACTIVITY:			P-1 ITEM NOMENCLATURE:	CLATURE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	T ACTIVITY	4		MODIFICATION KITS	KITS (NON-TEL)		
		- ()	- 11			RCN:	147239
Olianitus	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001
COST (IN MILLIONS)	\$ 5.1	\$ 6 1	\$ C C	0	0 0	v	ē.
Modifications programmed and budgeted under titems are fielded or to increase operational	'II'	e are ities	purpose of	11	equipment deficiencies no items previously fielded	equipment deficiencies noted after new items previously fielded.	r new
This funding profile includes radar modifications which improve mean	adar modification	s which improve	mean time hotus	on foilth on the			
characteristics. Also included are TOW Sight modifi of sights into a single configuration and to provide	Also included are TOW Sight modifications required single configuration and to provide countermeasure	1 0	can improve mean time between failure rates and enhanations required to bring various configurations of to countermeasure protection to gunners and equipment.	the between faiture faces and enhance performance to bring various configurations of the UAS-12 serionotection to gunners and equipment. The Direct Air	es and enhance trations of the lequipment. T	cline between failure faces and enhance performance to bring various configurations of the UAS-12 series protection to gunners and equipment. The Direct Air	
Support Central (DASC) Product Improvement Program (PIP) automation and existing hardware from the AN/TSQ-155(V), Antenna Coupler Group into lightweight, highly mobile she finited of the ANY Antenna Coupler of the ANY Antenna Coupler of the ANY ANTENNA A	Improvement Progrefrom the AN/TSQ Eweight, highly mand then the AN/TSQ	am (PIP) is a no -155(V), Improve obile shelters.	is a non-developmental effort which will incorporate selected Improved Direct Air Support Central (IDASC), and the OE-334 alters. Improved capabilities include automated interfaces to	l effort which upport Central oilities includ	will incorporate select (IDASC), and the OE-334 le automated interfaces	ate selected the OE-334 iterfaces to the	a).
Advanced Field Artillery Tactical Data Systems (AFATDS), and Tactical Combat	(Doi), Advanced al Data Systems (.	AFATDS), and Tac	umana centrai (1 stical Combat O <u>r</u>	(ATACC), FOSITIO Operations (TCO)	n Location Rep.	(AIACC), Fosition Location Reporting System (PLRS), Operations (TCO).	(PLRS),
мор	INSTALLATION AGENT	AGENT	INSTALLATION				
AN/TPS-59 RADAR MOD (94) AN/TPS-59 RADAR MOD (95)	FIELD FIELD		BEGIN FEB 95/END BEGIN MAY 95/END	ND JUN 95 ND AUG 95			•
AN/TPS-63 SSTX MOD (96)	CONTRACTOR		BEGIN MAY 96/E	96/END MAY 97			
TOW NIGHT SIGHT MOD (96)	DEPOT		BEGIN OCT 95/END	ND DEC 96			
IDASC PIP	FIELD FIELD		BEGIN OCT 93/END BEGIN OCT 95/END	ND SEP 97 ND SEP 97			
FY 97-01 PROCUREMENT FOR AN/TPS-59 AND IDASC PIP IN FY 97-01 PROCUREMENT FOR TOW NIGHT SIGHT IN BLI 463	AN/TPS-59 AND IDASC PIP TOW NIGHT SIGHT IN BLI 4	IN BLI 463600. 463800.					
BLI NR. 496900			H	SHOPPING LIST			EXHIBIT P-40
	7		TTEM NO.	PAGE NO.			
			1	-			

SYSTEMS AFFECTED: MODIFICATION KITCON TITLE CON TITLE ECPS SSTX MOD MOD TOTAL	APPROPRIATION/BIDGET ACTIVITY.	DATE	TE	
AFFECTED: MODIFICATION KITS (NON-TEL)  (\$ IN MILLIOUS)  FY 1995  1.084  4.000  TOTAL  5.084	ET ACTIVITY 4	F-I LIEM NOMENCLAIORE: MODIFICATION KITS	(NON-TEL)	
(\$ IN MILLIONS) FY 1995	MODELS OF SYSTEMS AFFECTED: MODIFICATION KIT	S (NON-TEL)		
1.084 4.000 TOTAL 5.084	MODIFICATION TITLE	(\$ IN MILLIONS) FY 1995	FY 1996	
TOTAL 5.084	AN/TPS-59 ECPs	1.084		
TOTAL 5.084	AN/TPS-63 SSTX MOD	4.000		
5.084	TOW SIGHT MOD		0.084	
5.084	DASC		9.058	
	TOTAL	5.084	9.142	
	496900	P-1 SHOPPING LIST ITEM NO. PAGE NO. 61 - 2		EXHIBIT P-40

аме D. DATE	FY 1997 QTY								EXHIBIT P-5
C. MANUFACTURER NAME PLANT CITY/STATE LOCATION VARIOUS	QTY FY TOTAL COST UNIT			8.4	78				
ULAR NAME	FY 1996 UNIT COST								
B. WEAPON MODEL/SERIES/POPULAR NAME (ODIFICATION KITS (NON-TEL) RCN: 147239	QTY TOTAL COST	12 1084	1084			1 4000	4000		ING LIST PAGE NO.
B. WEAPON MODEL/SERIES/POP MODIFICATION KITS (NON-TEL) RCN: 147239	FY 1995 UNIT COST	90,333				4,000,000			P-1 SHOPPING LIST ITEM NO. PAGE N
N/BUDGET NO: RINE CORPS 4									1
A. APPROPRIATION/BUDGET ACTIVITY TITLE/NO: PROCUREMENT, MARINE CORPS BUDGET ACTIVITY									
	IDENT. CODE	Д				K			496900
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)	WEAPON SYSTEM COST ELEMENTS	AN/TPS-59 ECPs Identification Friend or Foe (IFF)	SUBTOTAL AN/TPS-59	TOW SIGHT MOD PROGRAM Installation Costs	SUBTOTAL TOW SIGHT	AN/TPS-63 ECP	SUBTOTAL AN/TPS-63		BLI NR.

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	PR	PROCUREMENT HISTORY	8	PLANNING				DATE:		
APPROPRIATION/BUDGET ACTIVITY:	ACTIVITY:				P-1 ITEM NOMENCLATURE	MENCLATURE:	1,72,8			
PROCUREMENT, MARINE CORPS/BUDGET	CORPS/BUDGET ACTIVITY	¥	4	_		MODIFICATIO	MODIFICATION KITS (NON-TEL)	I-TEL)		-
									147239	
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT	SPECS AVAIL NOW	SPEC REV RORD	IF YES WHEN AVAII
AN/TPS-59 IFF ECP/95	MM CORP SYRACUSE, NY	FFP	SYSCOM	JAN 95	MAY 95	12	90,333	YES	NO	
AN/TPS-63 ECP/FY 95	WESTINGHOUSE ELEC	FFP	SYSCOM	MAR 96	MAR 97	H	4,000,000	ON.	NO	
DASC (DOWNSIZING PIP) FY 96	NSWC CRANE IN	C/FFPO	NSWC CRANE	JAN 96	MAY 96	12	219,400	YES	NO	N/A
OE-334 (COMM) FY 96	NSWC CRANE IN	C/FFPO	NSWC CRANE	MAR 96	AUG 96	4	189,749	YES	NO	N/A
DASC AUTOMATION FY 96	NSWC CRANE IN	C/FFPO	SYSCOM	30N 96	SEP 96	20	136,719	YES	NO	N/A
DASC VOICE COMM SYS FY 96	EASTERN COMPUTERS LORTON, VA	FFP	SYSCOM	30 NUC	SEP 96	29	82,188	YES	NO	N/A
REMARKS:	DASC: Unit cost in costs.	cludes down	cost includes downsized shelters, rapid assembly tents, cables, computers, and integration	ers, rapid	assembly te	nts, cables	. computers,	, and in	ıtegrati	uo

ITEM NO. PAGE NO.

BLI NR. 496900

	"CODE B" ITEM DI	DESCRIPTION			DATE		
APPROPRIATION/BUDGET ACTIVITY:			P-1 ITEM NOW	ITEM NOMENCLATURE:			
PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY	T ACTIVITY	4		MODIFICATION KITS	(NON-TEL)	AN/TPS-59 RADAR RCN:	AR SYSTEM : 147239
1. CURRENT DEVELOPMENT AND TEST STATUS	ST STATUS				SCHEDULE DATE	<b>Ξ</b>	
				CURRENT	LAST	T REPORTED	REASON FOR DELAY
a. Test Readiness Review		Plan/Actual	Feb 95		Feb 95		
b. Formal Qualification Test		Plan/Actual	Mar 95				
c. Physical/Function Configuration Audit	tion Audit	Plan/Actual	Jan 95				
d. Develop Test/Operational Test	ist	Plan/Actual	Dec 95		Dec 95		
			Sep 96		96 des		
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE:	FOR SERVICE USE:		Sep 96				
3. EQUIPMENT ITEM(S) TO BE REPLACED:	LACED:						
4. EXTENT OF IMPROVEMENT OVER EQUIPMENT ITEM(S) TO	EQUIPMENT ITEM(S)	TO BE REPLACED	3:	INCREASED RECEIVER SENSITIVITY	TER SENSITIVITY		
				REDUCED TRANSPORTATION REQUIREMENTS	TIATION REQUIRE	MENTS	
5. DEVELOPMENT CONTRACT INFORMATION	ATION	(RDT&E Fundin	Funding Profile -	\$ in Millions)			
CONTRACTOR NAME	PLANT LOCATION	COMPONENT	NENT	THROUGH PY (FY1994	1) CY (FY1995)	BY (FY1996)	BEYOND BY
MARTIN MARIETTA	SYRACUSE, NY			\$ 10.4	ŧs.	₩	\$ 3.6
PROGRAM SUPPORT	QUANTICO, VA			is a	\$ 0.1		
				w w	v. vv	w w	ss v
				· s	· ·	+ v	+ 43
TOTAL RDT&E FUNDING				\$ 10.4	1		+
REMARKS: RED EFFORT FUNDED PRI THE IFF (IDENTIFICATION FRIEND OR FOE)	R&D EFFORT FUNDED PRIMARILY BY BALLISTIC MISSILE DEFENSE CATION FRIEND OR FOE) IS A COMPONENT OF THE TPS-59 MAJOR	SALLISTIC MISS ONENT OF THE T	STIC MISSILE DEFENSE OF THE TPS-59 MAJOR	OFFICE. SYSTEM MODIFICATION	N.		
OVOJOV CIVITA			n n				
		,	F-1 S ITEM NO.	SHOPPING LIST PAGE NO.			EXHIBIT P-19
	1		61	<u>۔</u> -			
		3			<b>1</b>		

### INDIVIDUAL MODIFICATION

MODIFICATION TITLE:

AN/TPS-59 ECPs/TMD UPGRADE

MODELS OF SYSTEMS AFFECTED:

AN/TPS-59 RADAR SYSTEM

DESCRIPTION/JUSTIFICATION:

This modification is to correct deficiencies identified by the fleet and procure minor improvements to the AN/TPS-59 radar set.

> MAJOR DEVELOPMENT MILESTONES: DEVELOPMENTAL STATUS/

TMD upgrade has CDR scheduled for 3rd Qtr FY94, DT/OT for 1st Qtr FY 96, and Milestone III Decision for 4th Qtr FY 96. The ECPs have been submitted and approved.

FINANCIAL PLAN: (\$ in Millions)

TOTAL OT.Y TO COMP OIX FY 2000 ₹O OLK FY 1999 OTX FY 1998 FY 1997 OTX FY 1996 OTZ FY 1995 OTY

PROCUREMENT

Install. Kits Nonrecurring Engineering Change Orders Equipment Nonrecurring Installation Kits Kit Quantity Equipment

Support Equipment Training Support

Data

Interim Contractor Support

1.084

12

0.000 0.000 0.000 0.000 0.000 0.000 1.084 12

EXHIBIT P-3A INDIVIDUAL MODIFICATION

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FY 1998	*/3
FY	OTY
FY 1997	₹O}
EX	OTY
FY 1996	€O\$
F	OTY
1995	×ν≯
FY 1995	OTX

Kits)	Kits)	Kits)	Kits)	Kits)	Kits)	Kits)
_	_	_	_	_	_	_
Eqpt	Eqpt	Eqpt	Eqpt	Eqpt	Eqpt	Eqpt
(FY 1995)	1996)	1997)	1998)	1999)	2000)	(TO COMP)
(FY	(FY	(FY	(FY	(FY	(FY	(To

INSTALLATION OF HARDWARE

0.000

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0.000 0.000

0.000

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0

1.084

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0.000

MONTHS

0.000 0.00.0 0.000 000.00 0.000 000.00 000.00 1.084 TOTAL PROCUREMENT COST

TOTAL INSTALLATION COST

PRODUCTION LEAD-TIME: MONTHS ADMIN LEAD-TIME: METHOD OF IMPLEMENTATION: CONTRACT DATES:

FY 1997 FY 1996 FY 1996

FY 1997

TOTAL

FY 2000

INPUT

INSTALLING SCHEDULE:

DELIVERY DATES:

OUTPUT

EXHIBIT P-3A INDIVIDUAL MODIFICATION

## INDIVIDUAL MODIFICATION

MODIFICATION TITLE:

MODIFICATION KITS (NON-TEL)

MODELS OF SYSTEMS AFFECTED:

AN/TPS-63 RADAR SYSTEM ECP

DESCRIPTION/JUSTIFICATION:

THIS MODIFICATION IS TO CORRECT DEFICIENCIES IDENTIFIED BY THE FLEET AND PROCURE MINOR IMPROVEMENTS TO THE AN/TPS-63 RADAR SET.

DEVELOPMENTAL STATUS/ MAJOR DEVELOPMENT MILESTONES:

THE ECP'S HAVE BEEN SUBMITTED AND APPROVED.

FINANCIAL PLAN: (\$ in Millions)

TOTAL OIX TO COMP FY 2000 OTY \$ FY 1999 FY 1998 OTY FY 1997 OTX FY 1996 OTY FY 1995 OTY \$

PROCUREMENT

Installation Kits Install. Kits Nonrecurring Engineering Change Orders Equipment Nonrecurring Kit Quantity Equipment

Training Support Support Equipment

Interim Contractor Support

1 4.000

0.000 0.000

EXHIBIT P-3A INDIVIDUAL MODIFICATION

OTAL	₩
TOT	OTY
OMP	₩
TO COM	OTY
000	₩
FY 2000	OTX
999	₩
FY 199	OTY
FY 1998	w
FY	OTY
X 1997	₩
EX 1	OTY
X 1996	₹ <b>V</b> }
FY	OTX
995	₩
FY 199	OTX

INSTALLATION OF HARDWARE										
(FY 1995) Eqpt ( Kits) (FY 1996) Eqpt ( Kits) (FY 1997) Eqpt ( Kits) (FY 1999) Eqpt ( Kits) (FY 2000) Eqpt ( Kits) (TO COMP) Eqpt ( Kits)									000000	0.000
TOTAL INSTALLATION COST	000.0	0 0.000	000.000	00 0 0	0 0.000	0 0.000	0	0.00.0	0	0.00.0
TOTAL PROCUREMENT COST	4.000	0.000	0.000	0.000	0.000	0.000		0.00.0	4	4.000
METHOD OF IMPLEMENTATION:	ADMIN LEAD-TIME:	MONTHS	PRODUC	PRODUCTION LEAD-TIME:		MONTHS				
CONTRACT DATES:	FY 1996		FY 1997							
DELIVERY DATES:	FY 1996		FY 1997							
INSTALLING SCHEDULE:	FY 1995 FY 1996	FY 1997	FY 1998	EV 1999	FY 2000	H	TOTAL 2 3 4			

EXHIBIT P-3A INDIVIDUAL MODIFICATION

INPUT

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## INDIVIDUAL MODIFICATION

MODIFICATION TITLE:

DIRECT AIR SUPPORT CENTRAL (DASC) PRODUCT IMPROVEMENT PROGRAM (PIP)

MODELS OF SYSTEMS AFFECTED:

AN/TSQ-155V IMPROVED DASC (IDASC) OE-334 ANTENNA COUPLER GROUP

DESCRIPTION/JUSTIFICATION:

Equipment procured under this effort will be modular and allow the system to be task organized and operated in the downsized AN/TSQ-155(V) and OE-334 Antenna Coupler Group shelters or external to the DASC operations shelters. Improved capabilities include automated interfaces to the DCT, ATACC, PLRS, AFATDS, and TCO.

DEVELOPMENTAL STATUS/ MAJOR DEVELOPMENT MILESTONES:

Prototype hardware and software will undergo analysis and modification at Marine Corps Tactical Systems Support Activity and Naval Surface Warfare Center, Crane, Indiana.

FINANCIAL PLAN: (\$ in Millions)

OTAL	₹O÷
TOT	OTX
OMP	<b>€</b>
TO COMP	OTY
000	₹O¥
FY 200	OTY
999	₩
FY 199	OTY
Y 1998	₩.
FY	OTX
Y 1997	€O¥
FY	ST.
Y 1996	÷0¥
Y	OIX
X 1995	₹O\$
FX	OIX

ROCUREMENT

Kit Quantity
Installation Kits
Install. Kits Nonrecurring
Equipment
Equipment Nonrecurring
Engineering Change Orders
Data
Training Support
Support Equipment
Other
Interim Contractor Support

8.509 ... 0.106 0.075

0.000

0.000

0.000

65

0.000 0.106 0.075 0.000

0.368

EXHIBIT P-3A INDIVIDUAL MODIFICATION

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HARDWARE
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its)	Kits)	its)	its)	its)	its)	its)	
× ~	, K	~ Ж	×	~ ×	~ K	~	
(FY 1995) Eqpt	(FY 1996) Eqpt	(FY 1997) Eqpt	(FY 1998) Eqpt	(FY 1999) Eqpt	(FY 2000) Eqpt	(TO COMP) Eqpt	TOTAL INSTALLATION COST

PRODUCTION LEAD-TIME: 3 MONTHS ADMIN LEAD-TIME: METHOD OF IMPLEMENTATION: Field Install

0 9.058

0.000

0.000

0.000

0.000

0.000

9.058

0.000

TOTAL PROCUREMENT COST

4 MONTHS

FY 1997\_ JAN 96 FY 1996 CONTRACT DATES:

FY 1997

MAY 96

FY 1996

INSTALLING SCHEDULE:

DELIVERY DATES:

INPUT

OUTPUT

EXHIBIT P-3A INDIVIDUAL MODIFICATION

21-19

0.0 EXHIBIT P-40 THIS IS A ROLL UP LINE WHICH CONTAINS ITEMS FOR PROCUREMENT LESS THAN \$2 MILLION EACH. THE ITEMS INCLUDED IN THIS LINE ARE:
ELECTRONIC TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT (TMDE) REPAIR FACILITY AND CALIBRATION AND TRANSFER STANDARDS.
THESE ITEMS ARE REQUIRED FOR THE SUPPORT OF GENERAL PURPOSE ELECTRONIC TEST EQUIPMENT (GPETE), SPECIAL PURPOSE TEST EQUIPMENT (SPTE), GENERAL PURPOSE MECHANICAL TEST EQUIPMENT (GPMTE), AND INFANTRY WEAPONS GAUGES USED TO MAINTAIN MARINE CORPS WEAPONS SYSTEMS.
GLOBAL POSITIONING INTERFACE UNITS (GPSIU) THAT ALLOW THE POSITION LOCATION REPORTING SYSTEM (PLRS) REFERENCE UNITS TO INTERFACE WITH A GPS RECEIVER, GREATLY INCREASING THE MOBILITY OF THE PLRS NETWORK. FY 2001 VARIOUS RCN: 0.0 2000 FY 97-01 PROCUREMENT FOR ELECTRONIC TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT REPAIR FACILITY AND TEST, CALIBRATION AND MAINTENANCE SUPPORT LINES ARE IN BLI 463900. ITEMS LESS THAN \$2 MILLION (NON-TEL) FΥ ₹∕} 0.0 0 FY 1999 DATE ŧΛ 0.0 0 PAGE NO FY 1998 FY 94/95/99 PROCUREMENT FOR POSITION LOCATION REPORTING SYSTEM (PLRS) IS IN BLI 458800. P-1 SHOPPING LIST P-1 ITEM NOMENCLATURE 'n 0.0 0 FY 1997 ITEM NO 62 FY 97-01 PROCUREMENT FOR AIR COMMUNICATIONS PLATFORM IS IN BLI 464000 ŧΛ 3.4 BUDGET ITEM JUSTIFICATION SHEET 0 1996 FY s. 0.0 0 FY 1995 PROCUREMENT, MARINE CORPS/BUDGET ACTIVITY ď APPROPRIATION/BUDGET ACTIVITY 498400 COST (IN MILLIONS) E. QUANTITY

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5)		N/BUDGET NO: RINE CORPS	B. WEAPON MO ITEMS LESS TH	B. WEAPON MODEL/SERIES/POPULAR NAME ITEMS LESS THAN \$2 MILLION (NON-TEL)	PULAR NAME (NON-TEL)	C. MANUFACTURER NAME PLANT CITY/STATE LOCATION	JRER NAME STATE	D. DATE
		4					VARIOUS	
WEAPON SYSTEM COST ELEMENTS	IDENT. CODE		FY 1995 UNIT COST	QTY TOTAL COST	FY 1996 UNIT COST	QTY TOTAL COST	FY 1997	QTY TOTAL COST
ELECTRONIC TEST, MEASUREMENT, AND DIAGNOSTIC EQUIPMENT REPAIR FACILITY (RCN 140247)	ď					VARIOUS 509		
TEST, CALIBRATION, AND MAINTENANCE SUPPORT (RCN 145879)	ď					VARIOUS 940		
GPS INTERFACE UNIT (RCN 140014) ILS PROGRAM MGMT SUPPORT TRAVEL	Ф				4,511	314 1416 454 57 29		
SUBTOTAL PLRS GPSIU						1956		
TOTAL COST				0		3405		C
BLI NR.	498400		P-1 SHOPPING LIST ITEM NO. PAGE N	٥				EXHIBIT P-5
			62 -					

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PROCREMATION NATING CORPASIONCE ACTIVITY:  RECEPTION WARNESS  LINE TERM, ACAIN STATEMENT AND TYPE BY BY BY BY BY BY BY BY BY BY BY BY BY			PROCUREMENT HISTORY	હ	PLANNING				DATE:		
ACTIVITY  ACTIVITY  ACTIVITY  AND TYPE  BY  CONTRACT  ON  AND TYPE  BY  CONTRACT  ON  AND TYPE  BY  CONTRACT  ON  AND TYPE  BY  CONTRACT  ON  CONTRACT  ON  AND TYPE  BY  CONTRACT  ON  ON  CONTRACT  ON  CONTRACT  ON  ON  CONTRACT  ON  ON  CONTRACT  ON  ON  CONTRACT  ON  ON  CONTRACT  ON  ON  ON  CON  ON  ON  ON  ON  ON  O	PRIATION/BUDGET					P-1 ITEM NO	MENCLATURE:				
CONTRACT  DATE OF CONTRACT  DATE OF CONTRACT  DATE OF CONTRACT  DATE OF CONTRACT  DATE OF CONTRACT  DATE OF CONTRACT  DATE OF COST  NOT TREY  COST  NOT TREY	REMENT, MARINE CO		<b>≵</b> :	4		ITEMS LESS	THAN \$2 MIL	TION (NON-T	į		
NCE SUPPORT  C FP  SYSCOM  VARIOUS  C FP  SYSCOM  VARIOUS	/ Mart ant.	CONTRACTOR	CONTRACT	CONTRACTED	TGEME	DATE OF		EFMI		SPEC	IF YES
NCE SUPPORT  C FP SYSCOM VARIOUS VARIOUS VARIOUS 940,000* YES  NAM C/FFP SYSCOM MAR 96 MAR 97 314 4,511 YES  NAM C/FFP SYSCOM AR 95 MAR 97 314 4,511 YES  NAM C/FFP SYSCOM AR 95 MAR 97 314 4,511 YES  NAM SYSCOM AR 95 MAR 95 MAR 97 314 4,511 YES  NAM SYSCOM AR 95 MAR 95 MAR 95 MAL QIVS OF ELECTRONIC PSY/DIM MARY SUCH AS FREQUENCY STANDARDS, CALIERATION WORKSTRITONS, PRECISION MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS, CALIERATIONS, PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS, CALIERATIONS, PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS, CALIERATIONS, PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS, CALIERATIONS, PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS, CALIERATIONS, PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARDS OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARD OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARD OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARD OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARD OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY STANDARD OF THE PAGE 115TON MEASUREMENT MARY SUCH AS FREQUENCY	FISCAL YEAR	ıΞ	AND TYPE	BY	DATE	DELIVERY	QTY	COST	NOW	Rev Rord	WHEN
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UNKNOWN C/FFP SYSCOM VARIOUS VARIOUS VARIOUS 940,000* TES  UNKNOWN C/FFP SYSCOM MAR 96 MAR 97 314 4,511 YES  AMOUNT INDICATED IS TOTAL COST. FUNDS ARE USED TO PROCURE SMALL QTYS OF ELECTRONIC PSY/DIM  AMOUNT SUCH AS FREQUENCY STANDARDS, CALIERATION WORKSTATIONS, PRECISION MEASUREMENT MARKET CALIERATORS.  198400  TITEM NO. FARE NO. FAR		VAKTOUS		SYSCOM	VARIOUS	VAKIOUS	VARIOUS	509,000*		0 N	N/A
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